

# **skulebook 1T1**

**volume two the engineers**

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faculty



# Dean of Engineering

Cristina Amon

It is my distinct honour to congratulate you, our class of 1T1, and now our newest Skule™ alumni from the Faculty of Applied Science and Engineering at the University of Toronto.

For over 137 years, countless people across Canada and around the globe depended upon the technologies, devices and systems developed by our very own alumni. These contributions help sustain our Faculty's reputation as a leader in education and research committed to enabling our students reach their potential as global engineers equipped to face society's most pressing issues.

The 2010 Times Higher Education World University Rankings placed U of T Engineering 1st in Canada and confirmed our position among the very best engineering schools in the world. Our sustained excellence attracts outstanding students – like yourself – and internationally renowned faculty members who guided you through your

rigorous education.

You have invested a remarkable amount of time, learned and applied a great amount of knowledge and committed incredible energy to your studies. We are proud of all you have accomplished. With your Engineering degree, you have the tools – and the responsibility – to make a significant difference in the world, and along the way help further distinguish this Engineering Faculty as a world-class leader. To do this, you must continue working hard, take risks and never stop believing in yourself. You have already succeeded in a very demanding engineering education and this accomplishment, and all that your Iron Ring symbolizes, will always be there for you.

In turn, you can rely on the vital Skule™ networks and friendships you established here to assist you through the next phase of your life. Your fellow alumni span an extraordinary range of disciplines and are located across the world. Yet we remain a close-knit community of dedicated engineering scholars who continue to reshape our increasingly interconnected society.

Now as Skule™ alum, I ask that you think of our next generations of students as you build your careers. Please stay in touch. Think of our Skule™ as a resource and a community that you can continue to turn to, to draw strength from, and to support in the future. Please hold on to the friendships you have made with your classmates and professors, as you build your lives and your careers.

Once again, congratulations! We look forward to hearing of your future achievements.

Cristina Amon Dean, Faculty of Applied Science and Engineering

# Vice Dean Undergraduate

Grant Allen and Sanjeev Chandra

This year the role of Vice-Dean, Undergraduate has been shared by two of us, Professors Grant Allen and Sanjeev Chandra, and we would both like to congratulate the class of 1T1 and welcome them to the select group of individuals that can call themselves UofT Engineering Alumni. This is a tremendous accomplishment that you should take great pride in. We hope that you have found your time here to be rewarding and one in which you have experienced significant personal and professional growth. Though we realize that sometimes the challenges and expectations in our programs seem daunting, we are confident that the many positive life experiences and friendships will be what you carry forward as you reflect back on your days at UofT.

Graduating outstanding engineers that can continuously learn, innovate and adapt to make positive contributions to the ever changing world is the most important thing that we do as a Faculty. You are also our greatest ambassadors. Our faculty and staff are all very proud to have played a part in guiding you through your studies and helping you to realize your potential. Wherever your career takes you, you are all well prepared to be leaders in meeting the significant economic and environmental challenges facing our society today. Special thanks to the student leadership, both to the Engineering Society and to our many affiliated clubs; your efforts have enriched the experience of the many students in our Faculty. We continue to count on these leaders to provide a student's perspective on the many issues that arise each year. Several initiatives have been accomplished this year at a local, provincial, national and international level. Your student representatives also have served on several committees this year including being part of our committee on developing graduate attributes and another on facilitating international exchanges. We look forward to working with next year's leadership in continuing to enhance the student experience. We look forward to hearing about your contributions as you do your part in building the reputation of your proud Faculty. Please keep in touch with us, your classmates, and your alma mater. Remember to make the most of your education and help us to help those that come along after you.





# Registrar

Barbara McCann

It is with great honour that I recognize the accomplishments of the Engineering graduates of 1T1. Since your time at university began, Engineering has introduced many minors, certificates, professional and exchange opportunities to complement your core studies, and most of you have participated. These opportunities have prepared you for a new path of discovery, in graduate school or entering a career, where you'll be relied upon to offer inter-disciplinary solutions to global issues.

As you embark on this next stage, remember that you are supported by the strong foundation built right here, at Engineering. The students and faculty you met here will remain an indispensable network, one that you'll rely upon throughout your career and throughout your life. The relationships you've built over your time in this Faculty speak to the intangible benefits that go beyond the buildings and classrooms and make your university experience special.

My role as Faculty Registrar for the Faculty of Applied Science and Engineering puts me in regular contact with students and I take pleasure in the opportunity to watch you succeed. While the Office of the Registrar strives to make a positive impact on the student experience, know that you, the students, have had a similarly positive impact on us. Your outstanding performance in academics, leadership and spirit encourage and impress those around you, myself included.

As a graduate of U of T Engineering, you join a worldwide network of over 40,000 alumni, many in leadership roles in industry and academia. You now join this legacy, this proud tradition of Engineers. Your years at the Faculty represent great accomplishment, both professionally and personally, and I am so pleased to have served as your Faculty Registrar and participate in this significant occasion.

# Engineering Career Centre

Chioma Ekpo Director

The Engineering Career Centre (ECC) Staff wish to extend warm congratulations to the graduating class of 2011. As you embark on this exciting, and sometimes, uncertain time, take courage knowing you've come so far and prepared for a life of challenge, growth, and fulfillment. And though you are stepping out, know that our door is always open. We would love to hear how you are doing and if needed, offer any insight. Again, congratulations!

The ECC serves to prepare all undergraduate engineering students for their future careers as well as alumni within two years of graduation. The ECC has extensive experience with career development preparation and student support to ensure a productive and successful experience that will enhance the individual's success and contribution to the profession and society. Working towards this objective, the ECC runs various programs and services to connect Engineering students with opportunities within industry. The ECC counsellors and staff are available throughout the year to meet with all engineering undergraduates and recent alumni.

The Engineering Career Centre student development model focuses on the individual development of each student, by introducing them to the dynamics of an employment relationship, so as to develop an awareness of their potential and contribution as they chart their career path upon graduation. This is achieved through Development Workshops, Seminars, and individual appointments, which are available throughout the year. It is an intense process that requires commitment to participate in the individual and group sessions.

Engineering Career Centre 45 Willcocks Street, 2nd Floor, New College Residence





# Alumni Relations

Sonia De Buglio

To the Graduating Class: Congratulations and welcome to the prestigious group of over 41,000 Skule™ alumni. You join a highly motivated and successful group of graduates who live around the world. They are CEOs, entrepreneurs, lawyers, doctors, humanitarians, volunteers, mothers, fathers, and grandparents. They are changing our world on a daily basis, and they are – and always will be – Skule™ engineers.

Our alumni generously give back to Skule™. From scholarships and awards, to research centres, labs, and the very buildings you have studied in – your student experience was enhanced in many important ways, because of the support from the students who walked these halls before you. This year many of you left your mark at Skule™ by donating to the Skule™ Gratitude Campaign. This campaign allows current students, namely the 4th years to give back in a way that is meaningful to them. As a proud Skule™ alumna and donor myself, I couldn't have been more proud to see others sharing how I feel about Skule™.

Our alumni give back in other important ways as well – volunteering at the University, Faculty or departmental level, and/or participation in events. I'm confident you will find a way to stay connected with Skule™ too. You have received an education ranked amongst the best in the world and #1 in Canada. It is my hope that during your time here, you have had meaningful experiences and made many lifelong friends, and that you never forget that you'll always find a home here at Skule™.

With this, it is an honour to officially welcome you into the elite and world-renowned group of Skule™ alumni.

Sonia De Buglio Chem 9T4, Associate Director of Alumni Relations & Annual Giving



# Business Manager

Barbara Ellenson

Early SkuleYear has its own personality. Some years are quiet while others feature remarkable beginnings and new endeavors. This year was one that started on a worried note, with the severe injury of an officer. With trepidation and concern we followed his progress through surgery, intensive care, recovery and return to the Engineering Society. I think all of us feel that the journey of Ryan Bradley, our VPFinance, showed the randomness of life but also the ability of someone with determination to overcome obstacles. EngSoc joins Ryan's family in the happiness of his recovery.

While not as desperate, other ventures also offered difficulties. Our Orientation date was changed, forcing our Orientation Chair to redesign the whole of FroshWeek. Fortunately Owyn Notario was creative, hard-working and ultimately very successful. Our Hard Hat Café had come off of a second year of losses, so our two managers, Donnie Yee and Gibran Kichlu, had to rethink how to run the outlet. They changed procedures, suppliers and staff and are now in the black – for the first time ever. Congratulations to you!

Meanwhile all the other officers and directors were busy running their events with great success. The office has alternated between quiet (when everyone is in class) to a crowded hive of activity but it is always a great place to be. I have really enjoyed working with everyone this year and I wish you all the best in the future. Take the education you have worked for here, the dedication you have shown, and make the world a better place. And remember to enjoy life every day.







engsoc



# President

Kevin P. Siu, EngSci 1T0+PEY



It has been a long roller-coaster of a Skule™ year in 2010-2011. Many great events have happened and many great people have this a memorable and historic year. Though at times it has been stressful and tiring, I am extremely honoured to have served as your President this year.

In the past months, we have reached significant milestones for the Engineering Society – we created a new Board of Directors to improve the function and efficiency the Society; we experienced unprecedented growth in our commercial operations with Stores' online book sales, Hard Hat Cafe's first financially sustainable year, and Suds' vastly expanded selection, new kegs, and large-scale events; and we have greatly strengthened our relationship with other engineering schools across Ontario, from the founding of the Ontario "Triple D" Cup to the hosting of PEO-SC and an 8-school graffiti party.

Undoubtedly, we have had a great year for Skule™ - but none of this would have been possible without the amazing help from my Vice-Presidents – Ryan, Abhishek, Yi-Wei, Mauricio, and Albert. They have all put in long hours into making Skule™ an amazing place. Our Directors, of course, have also put in a lot of excellent work and should be thanked immensely for carrying out all our projects though I am unable to name them all individually in this space.

I must also extend a great thanks to our Business Manager, Barbara Ellenson, who has decided to retire after eight great years of service with EngSoc. She has been like a mother away from home for us and our predecessors for all these years, and has supported and helped us through many great and not-so-great times. For the bulk of the last decade, Barb has been the face of the EngSoc Office, and we will miss her sense of humour and motherly touch for years to come.

Looking back on my five years of Skule™, I have learned a great many things from my experience. Much of this I have learned outside the classroom, from running organizations and planning events. As I graduate from our storied Faculty, I will always cherish the memories of the times I had with the Bnad, many great bus trips, and the satisfaction of finishing projects for EngSoc.

It is important to keep in mind, for those who still have a ways to go before the end of their journey at Skule™, that our student experience is not simply about rankings and grades and lectures – but that our deepest connections and strongest memories will be forged by our experience with clubs, great events, and the people we meet who share our common interests and vision.

For my fellow graduates and soon-to-be-graduates, I will hope to see you all in the great unknown of the 'real world' – and may our great success at Skule™ continue well into the future.

Kevin P. Siu  
EngSci 1T0+PEY



# VP Finance

Ryan Bradley, EngSci 1T2

Hello Skule™!

First and foremost, congratulations on finishing a full year of schoolwork and Skule™-work! You've had a busy eight months and now you have certainly earned a four-month break at home to relax and unwind!

Next, I would like to take this opportunity to thank all of my internal directors for the amazing amount of work they have put in this year and the fantastic results that they have produced! In no particular order, thank you to Suds Managers, Ian and Deniz, for putting on some amazing events, like an interschool Graffiti Suds which brought in students from all over Ontario to experience our pub. Further, I would like to thank Stores Managers, Layan and Dan, for ordering new Skule™ merchandise and organizing online textbook sales, producing record revenues. Next on the list of commercial operations, congratulations to Donnie and Gibran for making the Hardhat Café profitable for the first time in its history! On to my other directors, thank you to Sandra and Wacy for organizing two amazing dinner dances in Cannonball and Gradball! In particular, Wacy deserves a big round

of applause for stepping in to the Gradball role midway through the year, and running an excellent event! Finally, I'd like to thank Jon for his job with sponsorship. Sponsorship is a difficult role that is extremely underappreciated, he has spent so much time on cold calls to make sure major Skule™ events are well-funded.

Finally, I'd like to talk about some of the projects that have been completed over the course of this year, both by myself and by this year's Officers as a whole. For example, we have reformed our Engineering Society Board of Directors to reduce bureaucracy and increase efficiency. Further, I have improved some efficiency in my role, by moving up the Student Levy Fund timeline, helping introduce new changes in some of our commercial operations, and documenting the transition of the role, which has never been done before.

To sum everything up, this has been an eventful year; it's been hectic, stressful, challenging, but most of all it has been fun. Thank you for giving me the opportunity to be your VP Finance! I hope that I've done something to improve your time here at Skule™, which was one of my goals when I started my position. I hope you have a great summer and I will see you all in September!



# VP Communications

Abhishek Mathur, MECH 1T2

Dear Skulers,

This year has been quite an exciting one for sure. A lot of things happened in such a small time period. From redefining the position of VP Communications, to starting up the first Frosh Leedur Handbook, to rebranding Skule™ and the Engineering Society, to working on social media and bringing back the plasma screen.

I would like to take this opportunity to thank everyone who I have worked with this year. The Officers for working as a team and allowing me to take on additional projects such as PEO Student Conference and Frosh Week. A special thanks to Kevin for helping me out with some of the communications projects such as Plasma Screen and Skulepedia. Thanks to Maegan for producing a fantastic Frosh Handbook, Hubert for getting a great Skule Planner out before Orientation, Navid for keeping your team together even through some rough times, Michelle for releasing the Skulebook before the beginning of exams

and Nicole for producing great Cannon issues! Also to Valentin for producing a phenomenal website, Rishi for starting up photos.skule.ca, Hubert for initiating renovation plans and Rafal for doing all the back end stuff and Communications Committee for starting out the Adobe tutorials.

A lot has been accomplished this year and I can confidently say that this has been one of the better years. Next year, the Society will be quite different from this year, as Barb will be leaving and a new employee will be taking her place, a new Board of Directors will deal with all the bylaw and policy changes, while the Project Directors will deal with their specific projects only. A new constitution was written which will be followed by the Society for the upcoming years. It's been fantastic, and I have enjoyed my time working as the Vice-President Communications and a second time officer. So long office, see you at Orientation!





# VP Academic

Yi-Wei Ang, INDY 1T2T1

Dear Skule™,

1T0-1T1 has really been a great year for the Academic Portfolio. We managed to revamp our tutoring database, expand our course examination repository, and we are in the process of creating a brand new Summer Research Job Database. This year, we managed to run the largest ever UTEK, our attendance for the University of Toronto High School Design Competition (UTHSDC) has grown three-fold, and our You're Next 2011 Career Fair continues to experience constant growth!

I gave some thought about what I enjoyed most about being the VP Academic of the Engineering Society. I realized that the most enjoyable part of my job was the people that I have met this year. To F!rosh: It was a great pleasure meeting you during F!rosh week. It has been great seeing how all of you have successfully made the transition to the university life. I would like to thank you, F!rosh, for being a source of inspiration for me. Your constant supply of Skule™ Spirit and dedication to the Faculty of Engineering continues to remind officers like

myself about who we are truly helping in our respective roles.

To Graduates: Congratulations on finally getting your iron ring and your degree! It has been a pleasure to have worked with many of you over the past year on various projects of the society. Thank you all for your leadership and guidance for many of the projects that I have embarked on. Best of luck in the real world!

The successes of the academic portfolio this year could not have been achieved without the support of many of the faculty members, directors, and class reps that I have worked with. Thank you all for the support that you have provided this year!



# VP External

Mauricio Curbelo, CIV 1T3

What a year it has been!

It has been a blast representing the Engineering Society's nearly 5000 members at the Engineering Student Societies' Council of Ontario (ESSCO, "provincial EngSoc") and the Canadian Federation of Engineering Students (CFES, "national EngSoc") this year.

This past year, I sought to realize the untapped potential of the VP External role: to actually help implement best practices from other schools here at U of T, make ESSCO and CFES valuable between conferences, settle our issues with the UTSU, and document it all every step of the way.

I hope that several years from now our successors will be as proud of this year's accomplishments as we are – the Skule™ Endowment Fund, Council reform, the Skule™ Points re-evaluation, and the addition of new plasma screens are major ongoing projects where we benefited from knowing how other schools carry out similar operations. There's a national Wiki being developed with info on what EngSocs across Canada do and how, so we can learn from other schools throughout the year. The UTSU issue is finding closure as we seek opportunities for collaboration instead of confrontation. We hosted a 400-person inter-school party like none other and showed 6 other schools what we're capable of when we pull together our resources, people and efforts.

More important than any list of accomplishments are the people who helped us along the way. I could not be happier about the group of people I got to work with this year, especially my fellow Officers - you have been a team I will miss being a part of. You have taught me there is nothing a dedicated team can't do without enough determination, a sound plan, and a willingness to listen to the input of others.

I entered the position of VP External with a few ideas and some curiosity over just how many people EngSoc can be valuable to. I am leaving the position with great enthusiasm over what Skule™ is capable of, and countless new friendships. I will never be able to thank the Officers, EngSoc, ESSCO, and Skule™ enough.

To those who, like me, are embarking on another year of Skule™: there is a world of opportunity here beyond our classrooms. Take these opportunities, take risks, and discover that there are skills you can only gain when working with others outside the controlled environment of engineering education.

Another year of opportunities awaits!





# VP Student Life

Albert Huynh, CHEM 1T2T1

I can still remember the day that I first came into office with such clarity that it's hard to believe that a whole year has already flashed by; I guess that's what happens when you're always busy. But, I guess it's time for me to do some reflection.

First and foremost, I'd like to thank the enthusiastic Directors under the Student Life portfolio, Akid Azfar (Student Issues Director), Roshan Thanapalan (Skule Points Director), and Owyn Notario (Orientation Chair). Although it was a very rocky year for us, the fact that you all brought passion and genuine drive to what you do, makes it easy to say that I'm proud of working with you all.

Second, to the other Officers, although our tolerance for each other may have gone up and down with the flux in stress, I'd like to think that we got a lot done this year, and all of the craziness aside, it was one memorable ride.

Thirdly, on a personal note, I'll be the first to admit that I was far from being the best VP Student Life, and equally far from being the best Officer. I can say however, that for everything I did, whether it was to push student experience in the Faculty's strategic planning, or to attempt to streamline the clubs affiliation process, to look into addressing sexual diversity issues, or advocating for individual clubs when they needed it, it all came from a sense of passion, and more-over, a sense of societal duty. I've always been a firm believer in the fact that people don't need to hold titles to be great catalysts for change. You don't need awards, to be leaders, and you don't need certificates to have skills. All you need is to be willing to take risks, stay true to what you believe in, and have the will to persevere, all the rest will follow.

And so lastly, to every member of the Skule™ community, I'd like to thank you for inspiring me to work for something, ranting and raving, letting me know that I'm not alone in thinking that this Faculty and the Engineering Society are far from perfect, and that some things are worth trying to fix, no matter how impossible it may seem.

Although this may be the end of my term as V P Student Life, it's far from being the end of my journey for personal growth and to make some meaningful change here; I hope that each and every one of you takes that

message to heart, that you pursue what you believe in and be shocked at the power of your own will. There's more to Skule™ than school, so go on and show the world what Skule™ means to you.



# Archivist

Rishi Maharaj, EngSci 1T2



The Archivist is the caretaker of the Society's history and traditions. In this, our 125th anniversary year, it is more apparent than ever that our Society's rich history goes far beyond what the six filing cabinets in the Archives can hold. Even so, the sheer volume of documents – literally a century of newspapers, yearbooks, handbooks, calendars, photos, and about a decade of smelly Flrosh T-shirts – is overwhelming.

Throughout my term, I've been working slowly but surely to provide more historical content online. With the founding of Skulepedia.ca by Kevin P. Siu, we've taken a big step forward in compiling our collective knowledge of Skule™ history somewhere that will be accessible to future generations. With the introduction of photos.skule.ca and SkuleTube, we've endeavoured to provide students with more cohesive, centralized access to photos and video of awesome events happening now and in the past.

This year, for the first time ever, I am pleased to be able to make archived recordings of Skule Nite available to the general public.

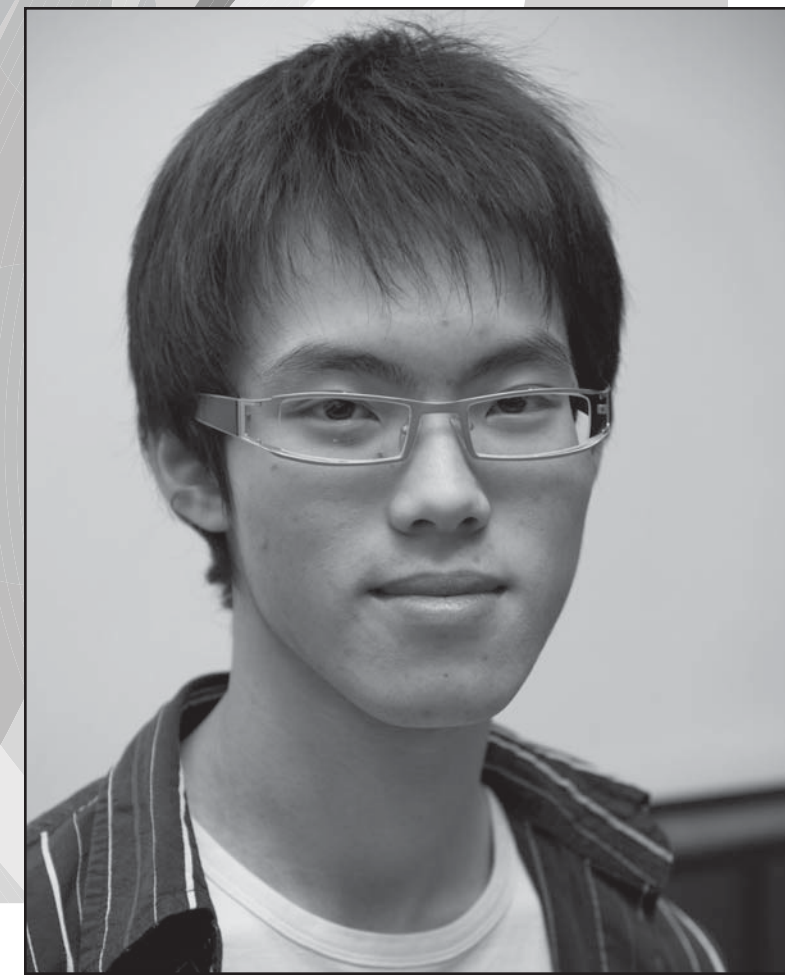
It has been a great pleasure to serve as your Archivist, and I hope that all of you will continue to not only honour our traditions, but also to build new ones.

# EngCom Admin

Hubert Ka, ECE 1T2

Skule™ Publications take a lot of work! From the Flrosh Handbook, The Cannon, The Toike Oike and finally to the Skulebook you're reading now, many engineers have toiled for hours in the cave known as EngCom to bring these amazing pieces of work to you. Having participated in and seen firsthand the amount of work the process of making a publication involves, I'm proud to have been the EngCom Chair in providing the tools for the graphics and layout teams, as well as the editorial groups in reviewing the articles.

With the new renovations to EngCom, we have given all the best tools to the publications and provided a new student space for all engineering students to use. As the last EngCom Director, I would like to thank the hard work of many people who have helped along the way: Kevin P. Siu, Mauricio, Rishi, Ian and Angelo; and all the publications' editors for their continued patience: Navid, Nicole and Betari.





# Chief Returning Officer

Milos Uskokovic, MECH 1T0+PEY



During the past five years that I have spent at school I have had a chance to get involved in many activities and clubs. One of my favourites however has been the position I held this year as the Chief Returning Officer. The position has allowed me to not only get involved in student government but also to meet many new people from a variety of years and disciplines. As a graduating student I have also been able to use this as an opportunity to look at the future of Skule™ and at those who will lead us to ever greater achievements. As such, it's time to pass the torch on, but I do look forward to many happy returns to this great place. To everyone graduating with me I leave you with these words: "This is not the end. It is not even the beginning of the end. But it is, perhaps, the end of the beginning."

# Speaker

Zoriana Workun, CIV 1T2



Moderating this year's council meetings was full of passing motions, making amendments, and shutting people up. Special thank you goes to the officers for organizing and helping facilitate the meetings. As well thank you to all those who attended, with an honourable mention to those who stayed until the end. Thanks to Alvin Ho who filled in for me when I couldn't make it and for helping me throughout the year.

I've enjoyed my time as speaker, but honestly must say it'll be nice to voice my opinion and not have to remain neutral anymore. Best of luck to next year's speaker who will be chairing the new Board of Directors' meetings and hopefully never having a problem with reaching quorum.

# Sys Admin

Rafal Dittwald, EngSci 1T1



ssh sysadmin@skule.ca

sysadmin@skule.ca's password: \*\*

Welcome back, you have 237 new emails.

# purge-emails

237 emails purged.

# echo "req-dist: /dev/null" » /etc/aliases

# exit

I haven't been receiving complaints, so I assume things are running fine... or maybe my inbox isn't forwarding, which is just as well. Afaik, the new server is a-serving, email's are mailing, firewall is blocking, the tubes are not clogged, etc. Thanks to Valentin, Kevin and Rishi and any others that have picked up my slack. Here's to uptime!

# Webmaster

Valentin Peretroukhin, EngSci 1T2



Hey!

I'm Valentin. I was this year's Webmaster Director and I worked with skule.ca throughout the year. Highlights of my work include a new shiny redesign of skule.ca, and tutors.skule.ca - an easy way for undergrad students to find an upper year mentor. I'd like to thank all of the officers for their encouragement and support, and Mr. Rafal Dittwald, without whom many of the best parts of skule.ca would not be possible. Finally, in case you were wondering: in my spare time, I enjoy drooling over new models of smartphones and commercial aircraft, as well as eating mango, broccoli cheese soup and playing soccer and tennis.



# Ombudsperson

Huda Idrees, INDY 1T2



Feedback – a word that’s so overused that it’s lost its meaning. Remember when the words “I love you” actually meant something? Yeah, I don’t either. Feedback is like those three words. Everyone says it and they want you to think they mean it, but really, how can you tell how sincere they are? Feedback is the backbone of the success of any student government. The sooner our students learn that we take it seriously, the sooner they can start to benefit by giving us their input. The role of the Ombudsperson is one that is highly underestimated not only by the student body, but also within the Engineering Society. It’s not just about handling conflicts, it’s also about advising the society as a whole. There is much that can be done with the position to help shape student experience. For example, I ran two Skule censuses this year. This was done to put student feedback into effect as soon as possible. I think it worked, let’s hope it continues to do so in the future as well! I would like to thank Kevin, Yi-Wei, Ryan, Albert, Mauricio and Abi for a wonderful term and Barb for being so awesome and maintaining sanity in the office!

# Community Outreach

Nitla Cooke, INDY 1T2

Community Outreach was loads of fun this year! During the fall, we held a raffle at Suds to raise money for the CIBC Run for the Cure. With this and our Skule™ team we raised \$2,500. Special mention to Olivia Pasquarelli who managed to raise \$1,500! Then came Movember, which brought back moustached gentlemen to Skule™, and included the participation of Professors Grant Allen (CHEM), Beno Benhabib (MIE), and Jason Bazylak (MIE) who also judged students’ moustaches during Movember Suds. We raised a total of \$5,000 and Professor Allen shaved off his goatee for the cause!

Godiva Week came and went and left behind a total of close to 4,000\$ raised for the Canadian Cancer Society through events such as the Charity Date Auction, Stores Auction, and Charity Car Smash. We also hosted blood drives every semester so students could give up pints of their blood on a regular basis. Not to mention, Skule hosted a food drive for the Toronto Daily Bread in late November/early December, complete with a gravy train that had a stay in City Hall and later on Front Campus.

I’d like to give special thanks to our suds managers Ian Parker and Deniz Karadas who managed to get various prizes donated for both the raffle and for our finalists in Movember and were a great help throughout the whole year! Also, thank you to Peter Raimondo and Joel Musial for doing an amazing job MC’ing the Charity Date Auction! Great job Skule™!



# Skule Points

Roshan Thanapalan, ECE 1T3



Skule™ Points is an awesome system in place to reward students for getting involved in the Skule™ community. You get Skule™ Points by attending events like F!osh week, Godiva Week, SUDs events, Bnad events etc. Essentially the more points you collect the bigger and better prizes can be attained or even multiply prizes.

A big part of Skule™ Points is the S-Team, who are a group of volunteers that are the backbone of the system promoting the brand and keeping the administer side in check. Skule™ in general is a big family that has many different things it can offer you. So take the first step and come out to any and all events next year see what we can offer you.

You can visit the Skule™ Points website at [points.skule.ca](http://points.skule.ca) and you can go there to check out what prizes you can get or what you get Skule™ Points for.

So do yourself a favour; get involved, and experience greatness.

# Sponsorship

Jonathan Ng, ECE 1T3

What a year its been for sponsorship...

After some twists and turns with Orientation, PEOSC, and UTEK I find myself already nearing the end of my term. I’d like to take the time to thank the following people for all of the advice and guidance they’ve given me throughout the year - Barb, Samantha, Kyle, CU Media’s Sophie and Graham, and of course my VP Finance Ryan. I’d also like to thank the various chairs of events that I helped find sponsorships for - Abhi, Freddy, and Maegan - for letting me make mistakes and learn from them!





# Professional Development Director

Saminur Majumder, MECH 1T2



Working closely with the Engineering Career Center (ECC), I have started this year with Clubs Day Event in collaboration with the ECC. This was to increase awareness of the various services offered to the students by the career center and how they can benefit from them in the future. This was a new initiative as it hadn't been tried any previous year. Fall begins its journey with the preparation of the Career Information Days which is a career fair for students, where potential employers from different sectors of the industry flock to meet students and inform them of the wide possibilities of employment in their firms. This serves both as an information gathering and networking opportunity for the students. As the overseeing director and representative of the Engineering Society, my duties encompass recruitment of volunteers, training of volunteers and overseeing of the three day event.

In addition to this there are technical workshops that are organized to help undergraduate students enhance their technical skills in software packages – MS Excel, MS Access, AutoCAD and LaTeX. This Starting from interviewing student trainers to reviewing material to be trained also entail the duties of the Professional Development Director. Besides the software workshop series, the initiative of bringing all Engineering research jobs on campus on one database to be easily accessible by students, is also one of the projects undertaken. This is being done in collaboratively with the Faculty, all different departments and the Engineering Society.

# Career Fair Director

Art De Guzman, MECH 1T1



This year, the You're Next 2011 Career Exposition was a great success. IN only its second year as a student run initiative, over 2000 University of Toronto students and alumni went through aisles of the Examination Centre surrounded with companies looking to hire eager engineering talent. At many points in time, aisles were filled from booth to booth in what is a space normally reserved for large scale academic examinations. 32 companies were ready to recruit and next year promises to be even bigger.

The You're Next Career Fair is an opportunity for University of Toronto students and alumni to explore their futures and to hone networking skills that are instrumental in the development of their careers. The value in this type of event cannot be understated. Apart from the hard work and dedication needed on the part of the organizers and faculty to prepare such a large scale matter, there is always something that can be taken away. With companies such as Microsoft, NexJ, Applix, and NVIDIA chances are that if you did not come out of the event with a job or an interview, you came out with a special experience between a potential employer that cannot be otherwise emulated in a classroom setting.

Furthermore, You're Next is a special platform where the core of students/alumni, faculty and professional employers can work together to allow companies to grow their presence on campus and provide U of T talent employment all at the same time.

# Hi-Skule Liason

Prachy Mohan, MECH 1T2

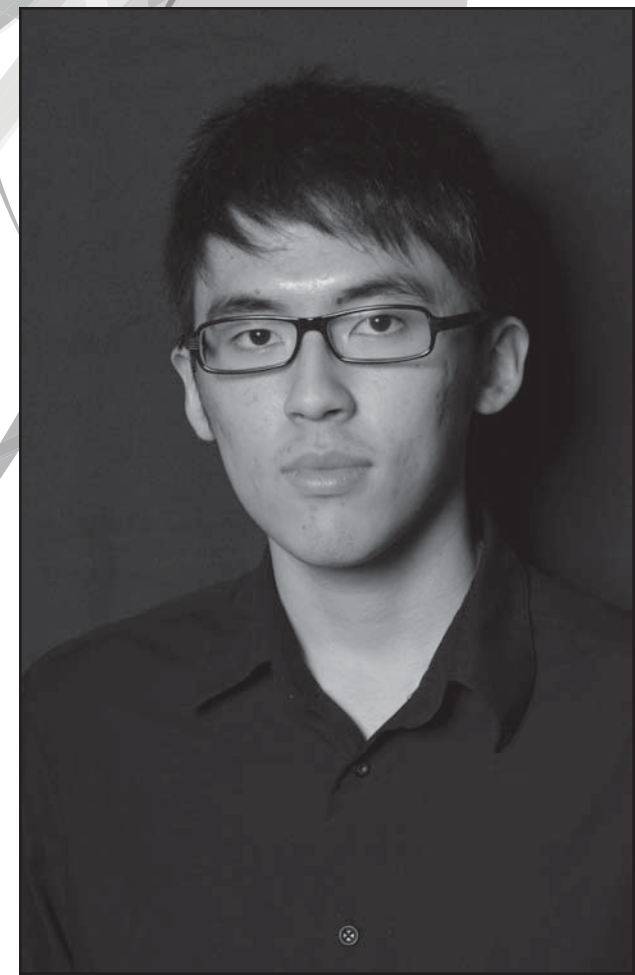


I have really enjoyed the position of Hi-Skule Liaison and loved planning all the fun events for elementary and high school students. This year's Hi-Skule events have been bigger and better than ever! And this is all thanks to the awesome Hi-Skule Committee and the amazing volunteers! The first event we planned was the 2nd annual U of T High School Design Competition where over 20 different high schools participated! I want to thank the UTEK Committee and Freddy Chen for supporting this event and being there through it all. We then planned Designapoolooza where we launched devices, boats and crash-test cars! It was truly an exciting day that will not be forgotten.

Thanks to: my Vice-Chairs, Kelly and Juhx, for supporting me and guiding me in the right direction; Maegan and Praneet for creating awesome posters and the website for advertising; Kyle for making sure we always had money; Miranda for putting effort into and improving the Skule Sisters program; Monika, Oscar, Chunkei and Jocelyne, for delivering fun and exciting events! And finally, I want to thank all of the Retention and Recruitment Office and the Outreach Office for providing so much support to make this year successful! The late nights and fun times fooling around will not be forgotten! :)

# UTEK Director

Freddy Chen, ECE 1T3T1



The University of Toronto Engineering Kompetitions (UTEK) is an exciting one day event filled with design challenges, novel ideas, and brilliant presentations. UTEK is an opportunity for engineering students to showcase their teamwork, communication, and problem solving skills to qualify for a position to represent U of T at the Ontario Engineering Competition (OEC). This year, UTEK was held on Saturday, January 8th in the Bahen Centre for Information Technology (BA).

UTEK has six different competition categories: Junior Design, Senior Design, Consulting Engineering, Parliamentary Debate, Innovative Design, and Engineering Communications. Design challenges this year included a water transportation system, prosthetics with sensory components, and a health status monitoring system for elderly citizens. Innovative Design competitors brought amazing design ideas, including a solar panel designed to track sunlight. Engineering Communications competitors brought engaging presentations, including an introduction to how software is becoming more prominent in structural design and analysis.

Thank you to all the students who participated in UTEK this year! I really hope you all had fun and learned from the competitions. I would like to give a special thanks to all the volunteers and judges who made time to help out with the competition. Most importantly, I would like to thank all of my wonderful executives for working so hard to make UTEK such a success. Thank you so much!



# Cannonball Chair

Sandra Sousa, ECE 1T3



This year's Cannonball was held at Atlantis Pavilions and was an incredible evening for the 350 students who attended. The food was delicious, the entertainment was absolutely impressive, and dancing was the perfect way to end the night. We were very fortunate that a few members of our faculty, who have contributed so much to the students of Skule™, were able to spend the evening with us. I would like to thank Ryan Bradley for all of his help with planning the event and being such an excellent source of advice. Of course, Cannonball wouldn't be the vibrant, tradition-filled event that it is, if it weren't for the talented Stage Band, the spirited LGMB and the Mighty Skule Cannon who were able to make an appearance as well. Cannonball is so awesome because it has a way of uniting all sorts of different circles of students, here at Skule, and I hope it continues to do this for years to come. I had a great time planning this event and I'd like to thank all of you who joined us! I hope to see you at next year's Cannonball!

# Gradball Chair

Wacy Su, CHEM 1T1



After years of hard work, we finally received the well deserved Iron Ring. This calls for a party! Gradball is a huge celebration for the Engineering students to immerse themselves in the happiness of Graduation. This year the Gradball was held at the heart of downtown, The Hilton. The charming ballroom was decorated to a classy theme of Victorian Era. We had amazing guest speakers such as the president of the Engineering Alumni Association and the Vice Dean to give students some words of wisdom for the future. The Engineering Stage Band and the DJ provided amazing music through out the night for students to dance the night away. Gradball 1T1 was a memorable night. Thanks to everyone who contributed to the success of Gradball and I wish the best of luck to the class of 1T1.

# Stores - Finance

Layan Kutob, INDY 1T2

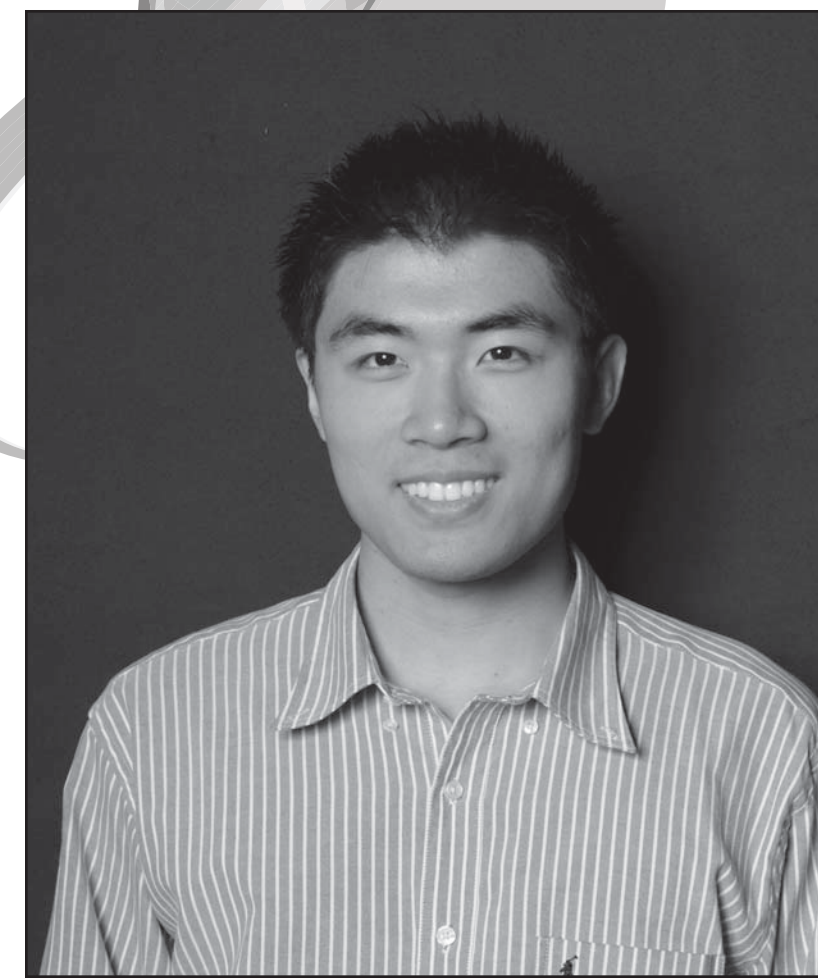


Honestly, I can't get my mind wrapped around the idea that my term in managing the Stores is coming to an end... giving back to the Stores and the Engineering Society has never, nor will ever be enough! Running the Stores has been such a wonderful and rewarding experience, which I've enjoyed and learned a lot from. Throughout the year, the Stores was able to expand its operations beyond the traditions, especially by expanding to online marketing. Some of our highlights include launching online textbook sales & catalogue, and bringing in lots of new SKULE™ merchandise to promote our spirit.

I would like to take this opportunity to thank everyone who has helped in running the Stores from the bottom of my heart. A special thanks to my co-manger, Dan, who has supported me and worked hard all throughout the year, and to our lovely employees whose commitment ensured the success of keeping the Stores run smoothly. Barb, thanks for your guidance and dedication, it has helped keep us on track. Ryan, thanks for being very supportive at all times and for being very open to all our ideas, it has been a motivation to us all throughout the year. Kevin and Cyrene, thanks for working with us on one of our biggest projects, online sales, which has been a huge success. Last but not least, I would like to thank all the people who have volunteered during peak times; it is really appreciated. Wishing the new managers and everyone else the best of luck!

# Stores - Operations

Dan Liu, MIN 1T1



OK, so I'm no longer the 250IBs fat meatball who rolled around a lot, but I still love life, people, Mars, and of course, our Engineering Stores! It's full of fond memories of interesting people, regardless if they are real humans or just a dummy. I also learned a lot from all the EngSoc members; they are simply... "AWESOME"! (Forgive my limited vocab; I'm an engineer so wth) Everyday, when I was sitting along in the Stores, and watching the sun disappearing into the horizon using my imaginative eye (btw, Stores need a real window like ASAP; future managers should really work on that), I always wonder about the same meaningful question of life: What should I eat tonite? I'm allowed to talk about personal development here right? Still short of 200 words anyway. I'll say that I got no regrets for my 4 years of engineering. Although the education mainly came from off-book sources, it's been a fun and meaningful experience. I'll miss my dear friends and the time we spend together alot; I love you all. Now, let's shed the tears of parting, put on joys for the future, with hope we shout together: CHARGE~! (Geilliah~! =)



# Cafe - Finance

Donnie Yee, MECH 1T2T1



Well, we did it...we brought the café back to life.

When I was elected to be the finance manager of Hard Hat Cafe, I was told by everyone that there were no expectations and that my only job this year was to break even. Well screw that, why break even when I can make a profit? And that's exactly what Gibran and I did. It's been a challenging task, turning what HHC was last year to what it is this year. The journey was long, the work was hard, but in the end it's all worth it to see everyone in the pit eating bowl noodles and drinking Jones Sodas.

I couldn't have done this without the help of my amazing, dedicated operations manager, Gibran Kichlu, thank you for all the countless hours you've put in. Thanks to Kevin, Ryan and Cyrene for all the guidance you've provided. Thanks to my junior managers, Tracey and Kazem, for stepping in when I don't get enough sleep. Thanks to my marketing team Vince and Rachit for getting our name out there, we all know where to get bowl noodles from now. Thanks to all my dedicated employees, always providing a service with a smile and never skipping a shift! Finally, thanks to Barb, for all the time and work you've put in to helping us succeed.

I feel like I've accomplished something very special this year, I've finally gotten rid of those damn Oreo Cakesters.

# Cafe - Operations

Gibran Kichlu, MECH 1T2T1



Ahh! The end of another semester. Sigh\*, the beginning of a new one. Ahh! So much to look forward to. Yes, dear reader. The structure of the previous three sentences accurately sums up the rollercoaster ride that was my third year.

The past year has been more hectic than eventful, I must say. But who am I to complain? All I did was run the Engineering Cafeteria and make it awesome. Big deal. Okay, maybe I didn't do all of that on my own. There was help along the way from a great team of co-workers whom I wish to thank. Thanks to Donnie Yee; the experience wouldn't be the same without your partnership. Man, you made things happen with your dynamism. To the Cafeteria Committee and the Hard Hat employees – your admirable dedication to the cafeteria saved me from insanity. Thanks!

Having completed my oscar acceptance speech, a word of advice to the unfortunate person who really had nothing else to do other than to read my ridiculous write-up. If you still have more years to go at this university, come out of your comfort zone and take a risk. Try something you haven't done before. This is your one chance to experiment and discover where your true potential lies!

# SUDS - Finance

Denizcan Karadadas, INDY 1T2



Suds had an outstanding performance this year. Even before frosh week, we got 2 more beers on tap, expanding our selection and our sales volume. We were open every day during Frosh Week and Godiva Week. We ousted previous year's sales after Godiva Week, and tripled the "best sales in one night" record. Even though the costs kept going up, we kept the same prices, and tried to do our best to serve our beloved student body.

Other than the numbers, Suds built up its reputation to be the coolest student run bar, not just in U of T, but in all Ontario. That alone, was worth all our time and efforts, as these were also opportunities for us to understand how lucky we are for having our very own student-run bar. It has been a great pleasure and an unforgettable experience to host remarkable events like Dance Club Suds, Fiesta Suds and Graffiti Suds in the atrium, and I hope everyone had a lot of fun and memories at Suds this year.

I would like to thank my co-manager, Ian Parker, for his efforts and dedication to Suds. Also, I'm deeply grateful to our "advisor" Cyrene Wu, our "boss" Ryan Bradley, and all our servers, for their help and support throughout the year. It has been a great pleasure to work alongside all of you.

# SUDS - Operations

Ian Parker, MIN 1T2



So another year has come and gone and there is one thing I have to say to everyone in Skule, never let tradition trump innovation! Far too many times have I seen people just do the same thing year after year with no thought of improvement or trying new things. When I ran for Suds Operations Manager I had one idea in mind, to create a Suds that no one has seen before, be it for better or for worse. Skule is a living, growing and ever changing community, and our events should reflect that diversity.

Our biggest accomplishment this year was most likely the Black Light Graffiti Party Suds where we, not only threw a kickass party for our fellow Skulemates, but for ever school in southern Ontario! It was a huge success and I would like to thank everyone who made it possible, I would list all your names but I'm only allowed 200 words.

A big shout out to my Co-manager Deniz, if you weren't there I would probably would have wanted to kill myself.

Cheers!!!!!!





publications





Issue no. 1 | 8.2010 | Welcome back to Skule™

Nicole Deen, Chem 1T3

Ah, The Cannon. The more ‘serious’ of the two Skule newspapers. This is the general definition given for this amazing paper. Honestly, it’s not a very good description. There’s no way to encompass the amount of work that goes into producing the paper every month, on time, looking professional. The Cannon staff works over weekends, forgoing homework, free time and sleep, to bring everyone the news from the previous month of Skule. It’s been an honour to have work as editor this year, despite all the effort that sometimes seemed fruitless.


When I first started classes here, I had no real interest in joining a student council, or running anything. I was just here to go through school and get my degree to do something that interested me (as sad as that sounds). I had joined the Cannon as a writer, because it was something I could do on my own at home, but still be extra-curricular. However, after the persuasion of last year’s editor, my friends and my family, I decided to run for this position last April. I must say, it was something like I expected, and yet nothing like it at all. I’ve been able to make a lot of friends that I wouldn’t have had before and I’ve gained experience I would never have had.

Running a newspaper is not as easy as it seems, and the last thing I want to do is forget about the people who helped out along the way. First, I have to thank the people who encouraged me to do this. I have to thank all of my writers, whether they wrote constantly or only once, who dealt with last minute notices, lots of revisions, and spam mail. There are also the photographers who went out and got awesome shots that made the paper look great. There are the officers, who I’m sure made their best effort to send in reports on time. Lastly, there’s my layout staff who stayed up late in EngCom’s windowless walls, fixing big mistakes and tiny typos with me to produce the final paper. It wouldn’t have been as great a year as it was without all of you, and I wish you all the best in your futures!!

Nicole



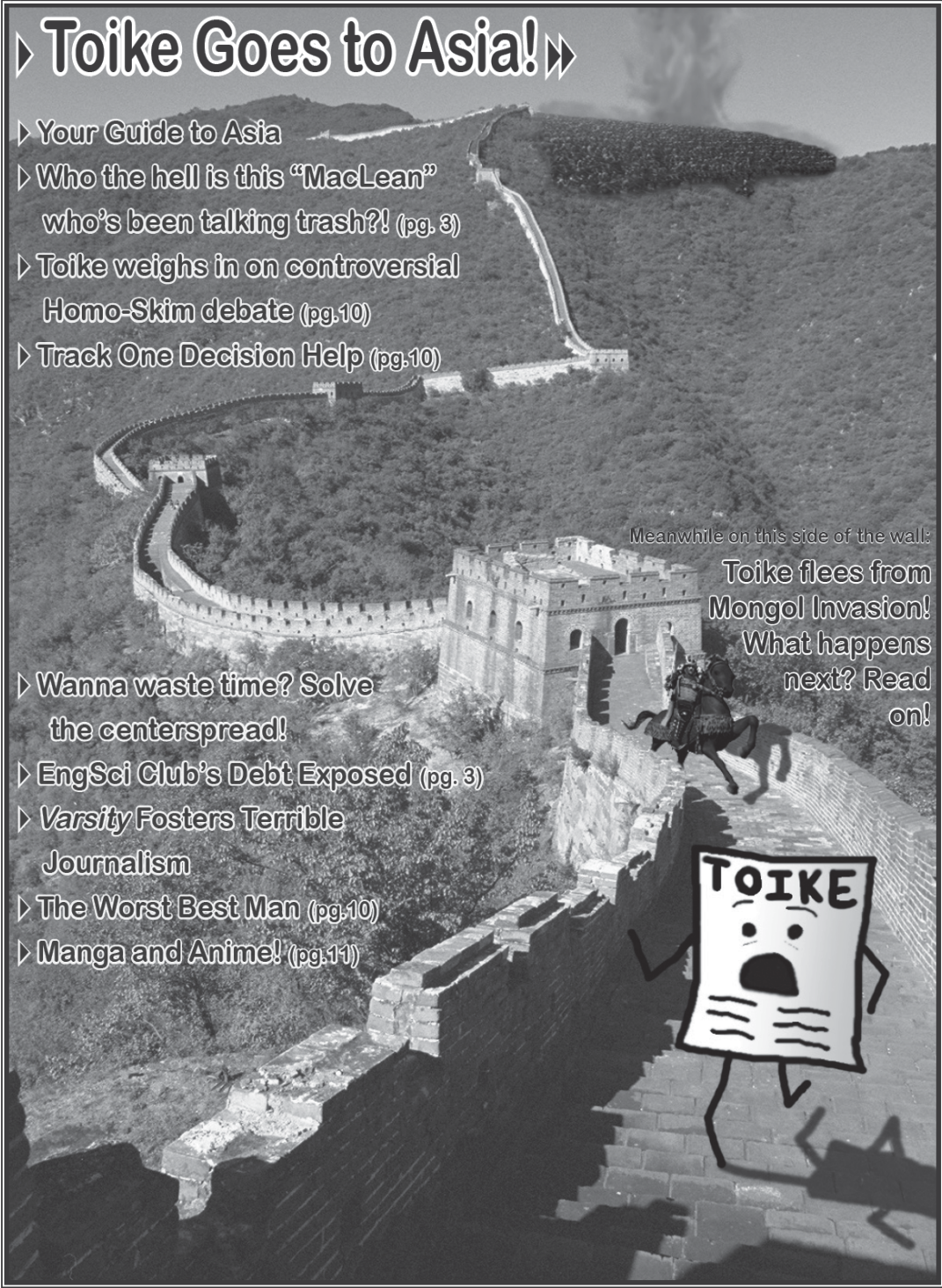




THE UNIVERSITY OF TORONTO'S HUMOR NEWSPAPER SINCE 1911

### ► Toike Goes to Asia! ►►

- Your Guide to Asia
- Who the hell is this "MacLean" who's been talking trash?! (pg. 3)
- Toike weighs in on controversial Homo-Skim debate (pg.10)
- Track One Decision Help (pg.10)



- Wanna waste time? Solve the centerspread!
- EngSci Club's Debt Exposed (pg. 3)
- Varsity Fosters Terrible Journalism
- The Worst Best Man (pg.10)
- Manga and Anime! (pg.11)

Issue no. 4 | 12.2010 | Toike Goes to Asia!

toike oike editor & staff

Navid Nourian, EngSci 1T2

“Hey Navid, what’s the Toike up to tonight?”

“The same thing we do every night, dear reader. Try to take over campus!”

What a year it’s been! Laughs and food and fighting Maclean’s and a birthday party that left us all wondering what exactly we did for a one week stretch nobody can remember... Is the Toike going to put a rocking chair on its porch, find a sturdy cane, and turn 100 with grace? For now, the answer seems to be a resounding NO. The Toike’s pushing back retirement cause the world is crazier than ever, and someone’s gotta point at ridiculous things and crack a joke.

Of course, the real heroes are the wonderful Toike staff (also the Gotham Police Force, but mostly the Toike staff). Both old timers and newcomers pitched in to make some great issues. Thank you to everyone who helped out, you have my gratitude, and I’ll be giving you all that special prize I promised. I hope you all like...GOLD STARS! Holographic too!

If you made it this far, congratulations. The stuff on the opposite page must be really boring. Kidding. You should read it. This book’s filled with cool things that happen at our Skule and I’m honored to have been part of that. I encourage you to come saddle up with our outfit and help make the next 100 years spectacular.

Navid Nourian SprEditor-in-Cheese



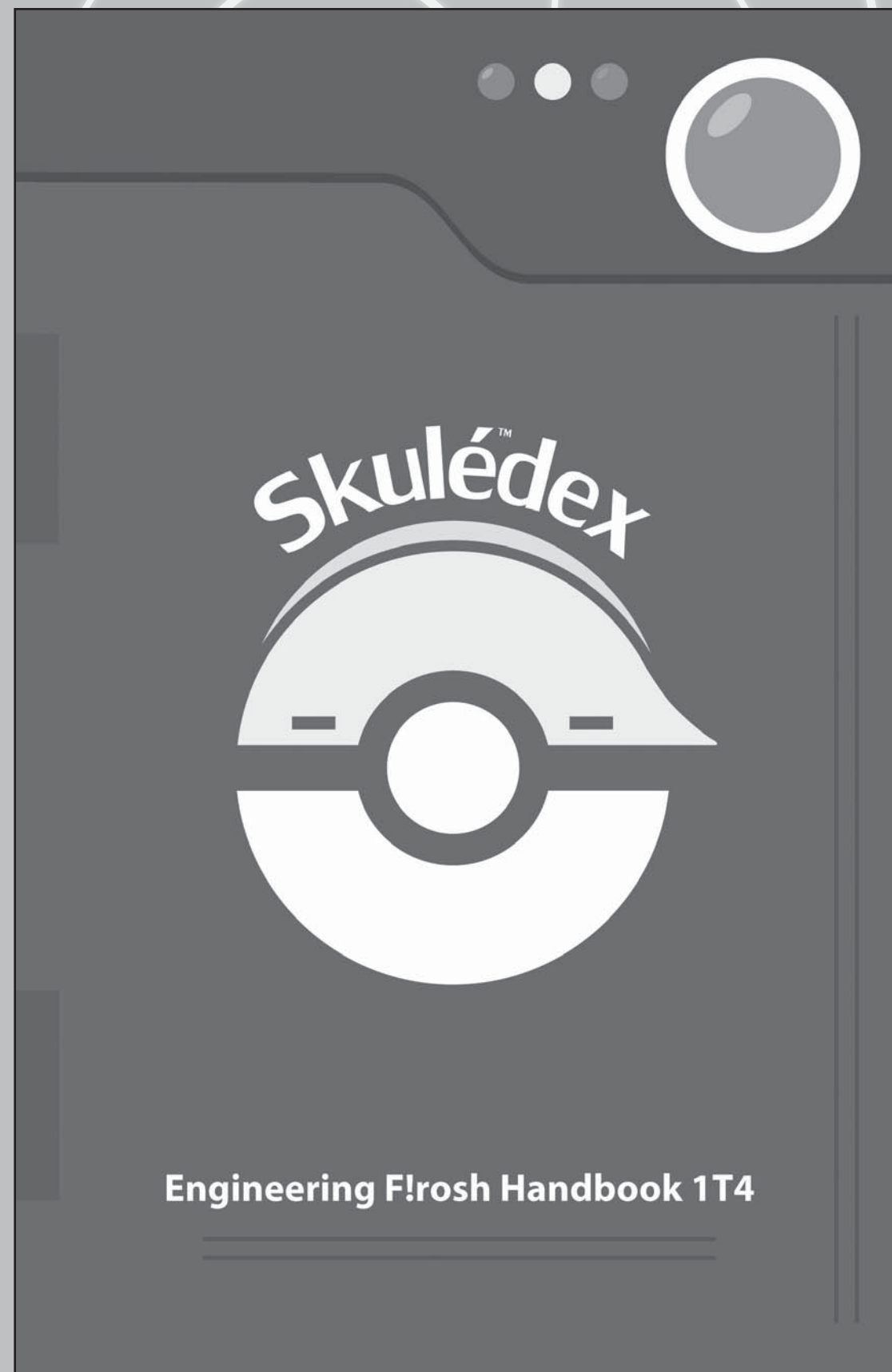
The Lovely Toike Staff:

Billal Sarwar, Billy Wong, Aaron Shindman, Jeremy Shindman, Andrew Jerabek, Natalija Pavic, Che McWaters, Adam Fontana, Misha Stecyk, Vijay Unnithan, Amir Ahmad, Adam Hurthig, Jeffery Yap, Tommy Ye, Thomas Parker, Aaron Peever, Cyrus Lau, Matthew Dolowy-Busch, Luca Gerace, Amanda Bell, Peter Raimondo, Allison McPhail, Luke Helt, Bryan Thompson, Jonathan Sun, Renato Dambrosio, Raymond McTaggart, Dan Cooperman, Abhishek Mathur



# f!rosh handbook

The Official Skule™ Guide for First Year Students



F!rosh handbook 1T4 | 9.2010 | Skulédex

# f!rosh handbook editor & staff

Maegan Chang, ECE 1T3T1



From left to right:  
Waisze Lam,  
Jocelyne Chan,  
Maegan Chang,  
Betari Prakoso,  
Andrew Park

When I see the price that you pay I don't want to grow up. I don't ever want to be that way. I don't want to grow up. Seems that folks turn into things that they never want. The only thing to live for is today. - The Ramones

There are a few people without whom this book would not have come to be. To Betari Prakoso, thank you. Jocelyne Chan, thank you. Waisze Lam, thank you. Andrew Park, thank you. To all of the contributors, thank you.

To all of the others behind the scenes, Abhishek Mathur, Hubert Ka, Jonathan Ng, and everyone else mentioned in the book, thank you.

Working on the F!rosh handbook was the perfect conclusion to one of the best years of my life. To the next Handbook Editor, I hope you have as great a time with this book as I did.

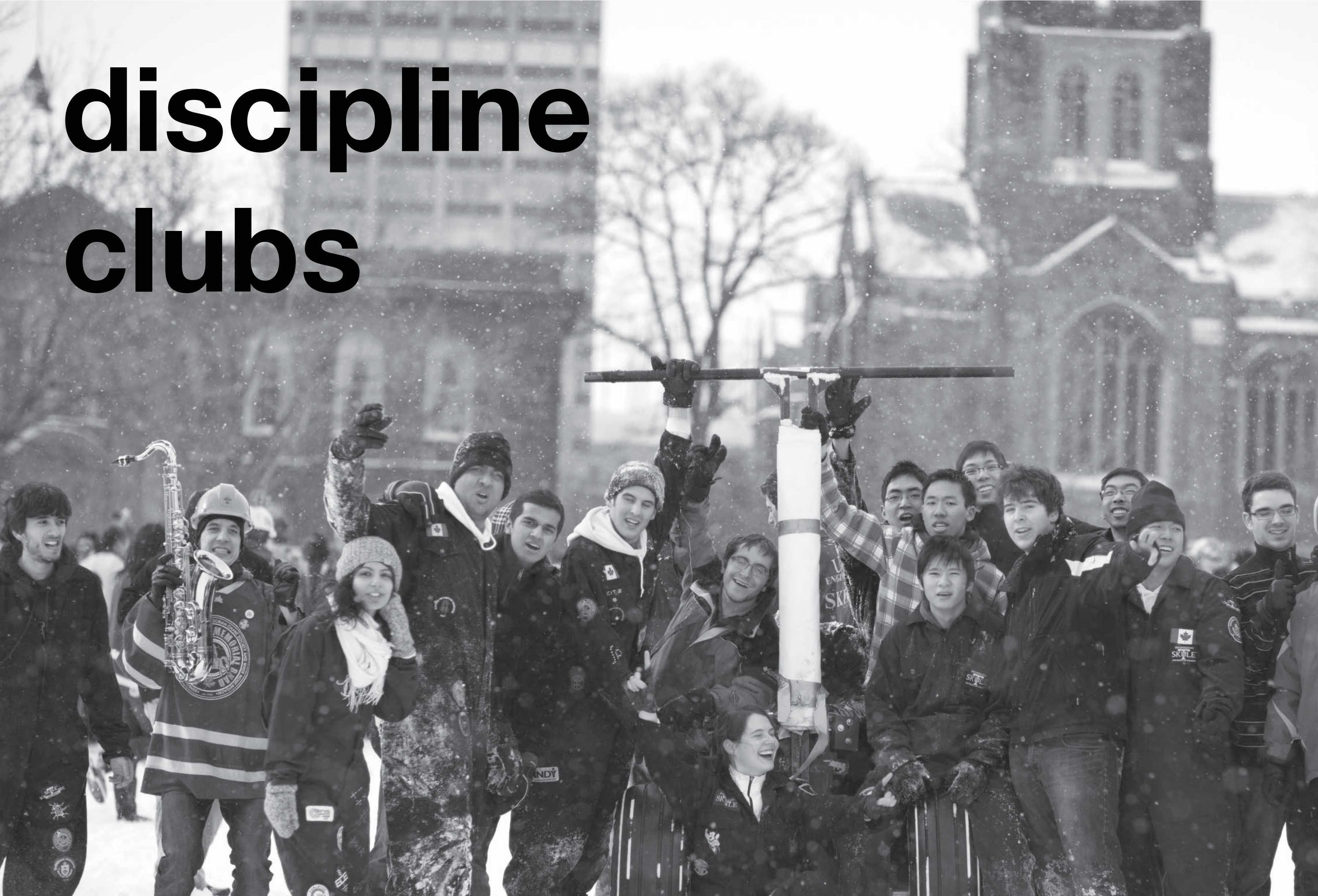
And a final message to all of the F!roshies:

You won't stay F!rosh forever; make the most of it while you can.

Maegan Chang ECE 1T3T1



# discipline clubs





# Chem Chair

## Message from the Chair of the Department of Chemical Engineering & Applied Chemistry.



Challenge, Contribution and Community. These are the hallmarks of our Department.

First, we seek to offer our students a challenging educational experience. If you wanted the easiest route, you would have chosen another institution. Instead, you chose to study chemical engineering at the University of Toronto because you sought a rigorous education that would prepare you for real world situations. I believe you will find that your studies in our Department have prepared you well for the challenges you will face upon graduation.

Second, we seek to make a major contribution through our research and learning. Through research, we are finding solutions to pressing problems that confront industry, human health and society at large. In our teaching, we have sought to provide you with the necessary skills so that you too can contribute. It is our expectation that you will leave this Department ready and willing to make your own contributions to the world.

Finally, we value community. That includes our immediate community, namely our Department – including students, faculty, staff and alumni. However that also includes recognizing the communities we serve; be that locally, nationally or internationally. Celebrate and honour your community through your service.

To the members of our Department who will graduate soon and depart the University, I not only wish you well, but I issue you a challenge: Live The Three C's. Always seek new challenges; find opportunities to contribute; and, faithfully serve your communities. As alumni/ae of our Department, you are our best ambassadors. I am sure you will represent us well!

On behalf of the faculty and staff of the Department I wish you success, health and the joy of a well-rounded life with friends, family and your community.

-Professor Doug Reeve

# Chem Club

Chem Club is the go-to resource for chemical engineering student needs. We make every effort to support the chemical engineering student body both academically and socially. The events we organize are open to all including Barbeques and Smokers (book exchanges). Our main event of the year, the Annual Dinner Dance held at the Toronto Marriott Bloor-Yorkville, was a massive hit. This sold-out event was based on a 'Chemmy Awards' theme and involved several professors and staff as well. Juhx Pellazar (Social Director) and Samoil Vohra (Vice-Chair) went the extra step to ensure everything ran smoothly. David Castelino (Fundraising Director) is currently organizing our Annual Charity Talent Show, from which donations will go to UNICEF. Nikita Desai (Secretary) recently organized a Charity Bake Sale that raised money for Haiti. A new initiative called PennyWars, run by Saeed Kaddoura (Fourth Year Rep) and Ajay Kochhar (Second Year Rep) will also help this cause.



Bobby Doroudiani (Athletics Director) is running an engineering-wide basketball tournament. He has also created new events such as a Bike Day and Cricket Day. Mehrnaz Khan (Junior Athletics Director) has helped out in running foosball, squash and ping-pong tournaments. A fun and interactive video game tournament was also conducted, thanks to the efforts of Meraj Shah (Common Room Manager) and Akash Kaushal (Second Year Rep).

Sameena Mulam (Third Year Rep) will be organizing the ever-so-important Iron Ring Party in addition to helping out with other events. Ishan Gupta (First Year Rep) has done an excellent job to involve first years in Chem Club events. Our PEYers are kept in the loop by Sami Khan (PEY Rep). This year, our website was revamped and is maintained well by Cathy Shi (Webmaster). Finally, two important people in the team are Rosanna Kronfli (Advertising Director), who ensures our events are well-promoted through posters and emails, and Rolan Lewis (Treasurer), who keeps our accounts in order so we can fund our awesome events.

-Stephen Pinto (Chair)





# Civ Chair

## Message from the Chair of the Department of Civil Engineering.



I'd like to extend my sincere congratulations to the Engineering class of 1T1. It has been inspiring to watch you grow and gain confidence as you progressed through your programs toward graduation. You are now embarking on a journey that will take you to different places, career paths, and experiences. I hope that you make the effort to stay in touch with each other. You'll find in a few years that a trip down memory lane is a wonderful experience. I'd like to share with you some lessons and insights that I've gained from my own journey. They are embodied in five rules that I modify regularly, but here they are as they exist today.

1. Take responsibility for yourself and your actions. Sometimes that means admitting a mistake or taking a difficult and lonely stand for something you believe in. Most importantly, don't dwell on a mistake, but make darned sure that you learn from it.
2. Never stop learning. This means professionally, personally, environmentally, socially, and any other perspective you desire. Keep your mind and body fit and alert.
3. Be kind to the earth. As engineers, you are in a position of leadership and influence. Always consider the impacts of your decisions on the environment and society, and make the necessary changes to minimize negative impacts. Take responsibility.
4. Get/stay involved. Join a special interest club to meet people from different walks of life. Send an email to a professor just to say Hi.
5. Have fun. Life is surprisingly short, and you want to make sure that you maintain a balance that provides you with satisfaction. Enjoy your job. Love your family.

I wish you all the excitement, growth, and satisfaction of a successful life. Stay in touch and look after yourself. But most of all, congratulations! We're very proud of you.

-Brenda McCabe, PhD, PEng

# Civ Club

Dearest Civs,

First, I would like to congratulate class of 1T1 and 1T0+PEY on the completion of this stage in your academic career. As you look back on your time as an undergraduate I hope you keep with you the life lessons you've learned and your valuable principles of engineering. As you all have grown into the professional, well-rounded individuals that industry needs you to be, so too have you grown in the memories of those you shared lecture halls with.

Skule is a place where friendships bloom, problem sets are solved and StarCraft gamers battle between classes. During the past Skule year civ club have successfully hosted a memorable Dinner Dance, a few BEvERaged smokers, and our 3rd annual sustainability forum. I hope to see more students get involved and enjoy the four (plus) years spent at U of T, because the strong sense of union with the student body is inexplicably uplifting.

It's been a pleasure to serve the Civ students this year and I couldn't have done it without my amazing executive team and friends. Thank you all for your contribution and support.

I hope we will all stay in touch, wherever we end up in life.

Sincerely,  
Connie Jia





# ECE Chair

## Message from the Chair of the The Edward S. Rogers Sr. Deptment of Electrical & Computer Engineering.



It is my sincere hope that, as you look back on your time as an undergraduate, you will come to realize what a great education you received in our ECE department and what a great time you spent at the University of Toronto. Our goal is to prepare you for a successful engineering career and, as you will find, for a life-long process of learning.

I have been department chair since July 2009 and I consider it my job to keep the department on course towards a great future, both in terms

of teaching and research. On the teaching side, we will continue to maintain and improve our undergraduate flexible curriculum. We also hope to make improvements in our graduate curriculum, especially our professional masters program. In the years ahead, you may find it useful to participate in this program yourself. On the research front, we are working to strengthen our research operation in new and emerging areas, and to facilitate the creation of bold new research initiatives. We are also working to increase our visibility on the research front, on both the national and international levels, and to strengthen our collaborations and links to industry and government.

Finally, I am working to strengthen our activities in the areas of advancement and alumni relations. We have over 5000 alumni in the GTA alone. We want to tap into that great network of professionals, for the benefit of our students and our programs. As you graduate and enter the workforce, we hope to remain in touch with you and to seek your advice. You should consider our department as your “home”, and you are always welcome to visit. We hope to benefit from your expertise in the years to come in order to help mentor our students, to help us with courses and design projects, and generally to help us grow the relevance and strength of our, and your, ECE department.

-Farid N. Najm

# ECE Club

First, thank you to all the ECEs that have shown school spirit this year! Out of the 5 years that we have been at the University of Toronto, this year has reached an all-time high. Not only has the turnout for our events been phenomenal, ECE essentially had a sweeping victory during Godiva Week (we won the Chariot Race; Victor Zhang ELEC 1T2 won Godiva's Quest; Luis Ramirez, Comp 1T1 + PEY, won Mr. Blue and Gold; and Sandra Sousa, ELEC 1T3, won Godiva's Crown).

Just to give a recap of the events we held this year: Frosh Discipline Club Event, BBQ Fundraisers, Graduate/Undergraduate BBQ Meet-n-Greet, Common Room repainting, the first ever ECE Club Book Exchange, Hot Chocolate & Cookies during the exam period, MSECE Dinner Dance (in coordination with MSE Club for the 3rd year running), Smokers, the 2nd Year and Upper Year Meet and Greet (in coordination with ECE LOT), and of course the Iron Ring Party.

Finally, we would like to give a BIG thank you to the ECE Club Executive 1T0 - 1T1. This year would have not been a success without them. They are:

Comp. Vice-Chair: Shane Blackie

Elec. Vice-Chair: Misha Stecyk

Comp. Social Director: Dolly Chopra

Elec. Social Director: Anmol Kaur

Webmaster: David Xie

CRO: Mihajlo Bojic

Comp. Minister of Finance: Sean Lamers

Elec. Minister of Finance: Allan Wang

Common Facilities Manager: Zach Fejes

Communications Director: Celine Ko

Sports Director: Luis Ramirez





# Engsci Chair

## Message from the Chair of the Division of Engineering Science



Dear EngSci Grads:

It has been an honour to serve you and your class of 1T1 and 1T0+PEY as Chair of the Division of Engineering Science this past year. As Engineering Science students, you have been immersed in a world of intellectual challenge and mutual encouragement since you arrived at Skule™. Each of you has helped create

and foster the incredible community that we call EngSci. You continually impress all of us at the University with your pursuit of excellence—both in your academic studies as well as in the arts, sports, outreach into the community, and other leadership activities. It is this energy and drive that is truly the Spirit of EngSci. As you prepare to leave EngSci and move on into the next phase of your life and career, I hope the Spirit of EngSci will remain with you and help in some way to enrich the rest of your journey through life and the lives of those around you.

-Will Cluett

# Engsci Club

The EngSci Club had an amazing year and is proud of its many accomplishments. This year's highlights include a fantastic dinner dance at the Grand Luxe Boutique, which featured incredible decor, a gourmet dinner, flair bartenders, and a live cover band! The dinner and dancing were enjoyed by students and professors alike, and was a truly memorable event.

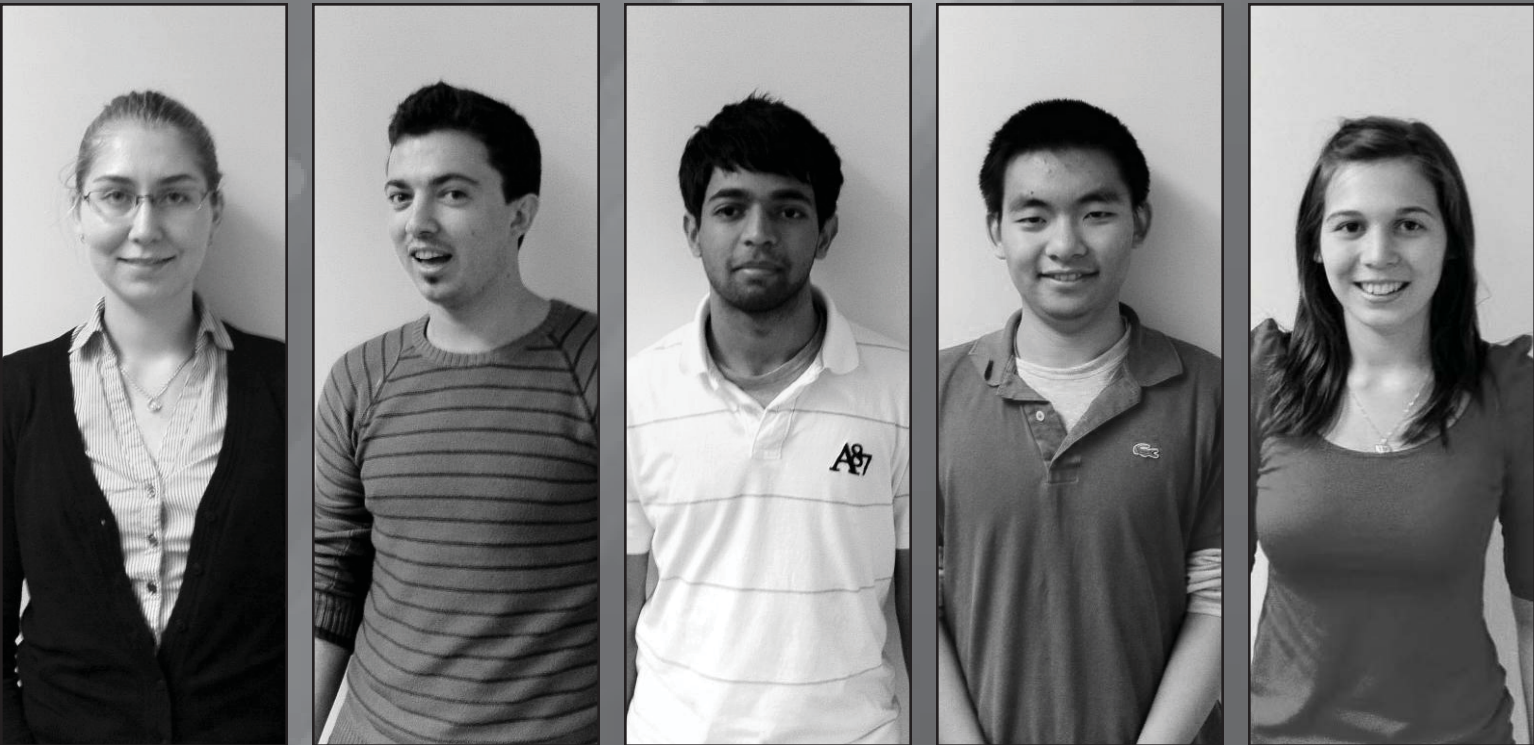
During Godiva Week, our rock-solid chariot came 1 metre from finishing 1st. Let's leave it at that.

During Reading Week, the EngSci Club brought 70 students to the slopes of Mont Tremblant for a fun-filled, eventful ski trip. When we weren't skiing, we were in the hot tub, eating good food, and enjoying the casino.

Finally, thanks to the incredible generosity of EngSci 1T1 and 1T0+PEY students, a total of \$2727.30 was raised for the annual Gratitude Campaign, which will go towards funding new initiatives for students in the coming year. As a reward, graduating students were treated to a fantastic FeO celebration at Molly Blooms.

I am happy to have served the EngSci Club as Chair, and am looking forward to hear about the many future accomplishments of the EngSci Club in years to come.

-Raphael Sammut (Chair)





# MIE Chair

## Message from the Chair of the Department of Mechanical & Industrial Engineering.



The department of Mechanical and Industrial Engineering strives to be a leader internationally through its cutting-edge research and education. 2010 was no exception, and was a year of noteworthy accomplishments.

In the past year, the department has taken on a series of new projects and initiatives. The weekly Seminar Series have a line of internationally renowned scholars, entrepreneurs, and key industrial players coming to the department to present their work. We also launched the new Industrial Engineering Capstone course, a program that allows IE students to gain hands-on experience by collaborating with industry partners on innovative projects. We are now in the process of establishing a capstone design course for the Mechanical program to be launched in the fall of 2011.

Physically, the department underwent a major renovation for a new Student Service Centre located in the main hallway of the mechanical engineering building. The new service centre will provide better services and accessibility to students. A new MIE banner, with the theme of “Where Minds Meet Machines” inspired from the department’s banner contest winner, was erected on the front wall of the Mechanical building.

Outside of the classroom, our students remain active in the department’s many extra-curricular clubs. Mech Club, Indy Club, ASME, Formula SAE and Leaders of Tomorrow, among others, organized a series of exciting projects and events throughout the year that garnered widespread student participation.

This year marks the 50th anniversary of the Industrial Engineering Program at UofT – the first of its kind in Canada. A series of celebration events have been planned including a monthly seminar series sponsored by Canadian Tire and a symposium and gala dinner at the Royal York Hotel on September 24, 2011.

Congratulations to the MIE graduating class of 0T0+PEY and 1T1 for your hard work and accomplishments! Keep in touch and let us know where your career takes you.

We will continue to build a world-class department for top-notch education and research. To achieve this, our alumni play a vital role. Keep your mailing and email address up-to-date ([address.update@utoronto.ca](mailto:address.update@utoronto.ca)) so you can keep informed about the department and our many alumni events.

Best wishes,  
**Jean Zu**

# Mech/Indy Club

The Mechanical Engineering Club (Mech Club) represents the entire undergraduate Mechanical Engineering student body at the University of Toronto. The peer-elected student executive members are the main points of contact between the students and wider faculty, bringing concerns and issues to attention. Aside from the academic and course support, the club also strives to enhance the social aspect of engineering. In fact, this year proved to be a successful one for the club. The annual MIE Dinner Dance – themed “Back to the 50’s” this year was an energetic, dynamic event, and quite possibly the best in recent memory! This year was also a year of many firsts for the club. A professional speaker series allowed students to gain MIE Department certificates of participation. A new logo and hoodies unique to each class year encouraged class unity. The first ever Mech Club basketball team had a strong season. And as always, exciting events such as free shinny, the ski trip, pick-up soccer and class year socials helped to round out a successful year for the club. The Mech Club would like to thank all of its executive members and Mechanical Engineering students for a memorable Skule™ year.



-Julie Hommik & Chris Siemieniuch (Mech Co-Chairs)

Wow, has the year gone by fast. It seems like just yesterday Indy Club was ramping up for another year of Skule, and now we’ve just finished celebrating Iron Ring. I suppose that’s what happens when you’ve got a year jam packed full of amazingness!

Of all the exciting activities we’ve put on this year, a few stand out. As usual, the MIE Dinner Dance was an absolute success and was an amazing time for both faculty and students. Because of demand, we were able to offer our free business courses run by Deloitte twice this year, and still continued to fill up extremely fast. This year, the Indy Career Series was introduced, which gave Indy students an opportunity to learn about the different opportunities available after graduation. One of the most notable changes this year was Indy Club’s merger with the U of T Chapter of the Institute of Industrial Engineers. Indy Club’s first year officially running IIE was extremely successful - many of us travelled and represented U of T at the annual IIE conference, which was held in Montreal.

Of course, Indy Club wouldn’t be successful if it wasn’t for the energetic and hardworking executive who have dedicated so much of their own time to make this year as amazing as it’s been. Thanks to all of you and best of luck to everyone!

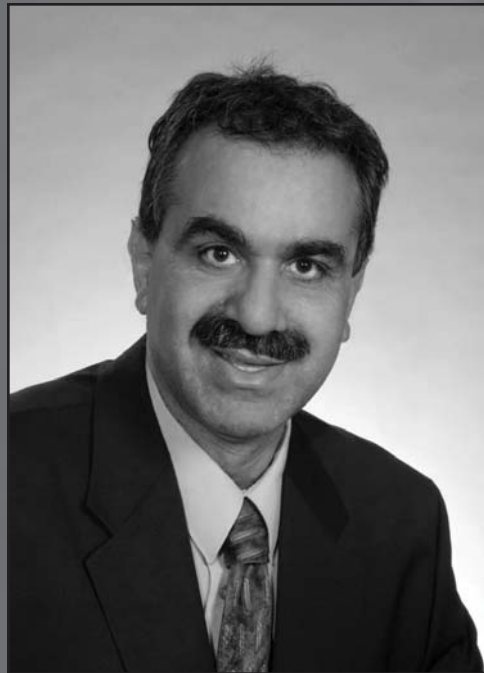
- Samantha Yang (Indy Chair)





# Min Chair

## Message from the Chair of the Department of Mineral Engineering.



My sincere congratulations to the graduating class of the Lassonde Mineral Engineering program. As you make the transition from student to engineer, you might want to reflect on your learning at the University of Toronto. The University is much more than a physical place. It is a network of resources, faculty, students, libraries and classrooms. We hope that you have enjoyed the learning experience, and the extra curricula activities, and at the same time have developed friendships that will follow you for years to come.

Over the past few years, you have all invested a lot of hard work into your engineering education. We have attempted to provide the necessary learning, but more importantly we have tried to instil the thirst for knowledge and lifelong learning. Your journey has just begun!

It is an exciting time to embark on your career as an Engineer. The mining industry is going through an unprecedented period of global development and you will be called to contribute solutions to some challenging engineering problems, such as mining at great depth or mining at sea. As Georgius Agricola stated in De Re Metallica, in 1556, “the art (of mining) is one of the most ancient, the most necessary and the most profitable to mankind.” This comment is still true almost 500 years later.

The expectations of both industry and society are shifting, in response to the need to accommodate technological advances, as well as evolving world issues. As mining engineers, you will be called upon to tackle challenges all over the world. I am confident that the education that we have endeavoured to provide will help you rise to any challenges you may encounter in your professional career.

I hope you will always stay in touch with us. We look forward to your feedback in order to help us make the Lassonde Mineral Engineering program even better. I wish you an exciting and fulfilling career and a great future.

- John Hadjigeorgiou, Ph.D., P.Eng., ing.

Director, Lassonde Institute for Mining

Claudette MacKay-Lassonde Chair in Mineral Engineering

# Min Club



This year the Mineral Engineering Club decided to celebrate all things mining. And it really was a great year. Think of all the exciting events that happened relating to mining last year: the record high price of gold, the rescue of the Chilean Miners, the BP oil spill!!!

This year MIN Club put up a great fight in the chariot race, even if we only had 10 people on our team. MIN Club also hosted a holiday party, with themed beverages and treats for everyone; accompanied with copious amounts of Super Smash Bro's. In January MIN Club also attended the annual Monster Jam monster truck rally, in true white trash, hill-billy style. We even saw Truckasaurus (yes, a giant fire breathing, car eating dinosaur-truck). In February, twelve Mineral students were sent to represent U of T and compete in the annual Canadian Mining Games in Edmonton, where they spent three days partying, drinking and of course kicking butt in all of the 21 events. Min Club was also fortunate to renovate (read: pimp-out) their common room this year. Now all 15 of us can hang out in the common room in style. The year was ended with a bang with our annual dinner dance in March, with exceptionally high turnout this year, about 30 people attended!!  
\*Rock on

-Julianne Keech (Chair)



# MSE Chair

## Message from the Chair of the Department of Materials Science & Engineering.



On behalf of the Department of Materials Science & Engineering, please accept my sincere congratulations to you, the MSE class of 1T0+PEY and 1T1, on the successful completion of your undergraduate studies. You should be proud that you have graduated from one of the leading MSE departments in North America. Your education in materials science and engineering will provide a solid background for you to help create innovative solutions that address today's and

tomorrow's global challenges. Equally important, I hope that the friendships you have made during your undergraduate years will remain with you throughout your professional and personal lives.

Please stay in touch, let us know how you are doing, and share your stories of success with us. We hope you will continue your legacy and dedication to excellence that your degree represents, as we look to you to serve as ambassadors for MSE, the Faculty of Applied Science and Engineering, and the University of Toronto.

Congratulations to you again, MSE class of 1T0+PEY and 1T1, and I wish you all the best for the future.

Sincerely,  
Jun Nogami, PhD, FAAAS, PEng.

# MSE Club

The MSE Club handles all social events of the MSE Department, such as Secret Santa, the T.A.U. Ping Pong Tournament and the Dinner Dance. We also represent the student body to other parties, such as and most importantly to the faculty. The MSE Council consists of 7 elected members, and each of the EngSoc Class Representatives. This year's council consists of Kyle Serkies, 1T1; Jacquelyn MacCoon, 1T2; Jeff Otto, 1T2; Andre Delhaise, 1T2; Mustafa Karamali, 1T2; Ronak Gandhi, 1T2; Joshua Daulo, 1T2; Rhea Salinas, 1T2; Katherine Le, 1T3; Damian Durluk, 1T0+PEY; Abrar Mahmud, 1T3; and Pratik Engineer, 1T4.

- Kyle Serkies (Chair)





# Class Reps



"The only thing that builds a man is himself." - Mother Dearest"  
- Saeed Kaddoura (Chem 1T2)



"Smooth runs the water where the brook is deep" - W.Shakespeare"  
- Ajay Kochhar (Chem 1T3)



"If you're not part of the solution, you're part of the precipitate."  
- Ishan Gupta (Chem 1T4)



"Class of CIV1T1, I have but one word for you...BATTLESUGS."  
- Kevin Zhang (Civ 1T1)



"Trusses make the world go round."  
- Momo Sun (Civ 1T3)



"Hasta la vista"  
- Bahar Memarian (ECE 1T1)



"Every ECE stereotype is true, but we are still awesome!"  
-Ryan Mintz (ECE 1T4)



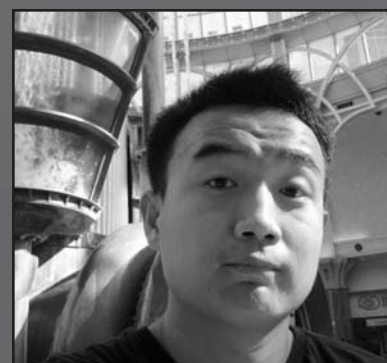
"My trusses bring all the engineers to the yard!"  
-Edvard Bruun (Civ 1T4)



"Make the most of yourself, you deserve nothing less."  
- Galen Hogan (EngSci 1T1)



"A day without skule is a day without sunshine."  
- Farrokh Manssouri (EngSci 1T2)



"Engscis Never Get Sleep Constantly In 1 T 3."  
- Zimu Zhu (EngSci 1T3)



"Integration is an Art...practise,practise... praxis?!!"  
- Yuqi Ma (EngSci 1T4)



"Wait, what does praxis mean again?"  
- Patrick Zerr (EngSci 1T4)



"Don't let schooling interfere with your education." -Mark Twain"  
- David Clease (Mech 1T1)



"We are not the worst mech class in 10 years!"  
- Ryan Persaud (Mech 1T2)



"I only have one thing to say: L'Eggo my Eggo!"  
- Trevor Burton (Mech 1T3)



"Where's my phone?"  
- Nitla Cooke (Indy 1T2)



"When I'm sad, I stop being sad and be awesome instead."  
- Marwan Dajani (Indy 1T3)



"I may be small, but I know what you're made off...literally!"  
- Jacquelyn MacCoon (MSE 1T2)



"My rocks are gneiss, please don't take them for granite."  
- Mike Chen (Min 1T4)



"1T4T1-Divide and conquer."  
- Teresa Nguyen (Track One 1T4)



David Cheung (PEY)

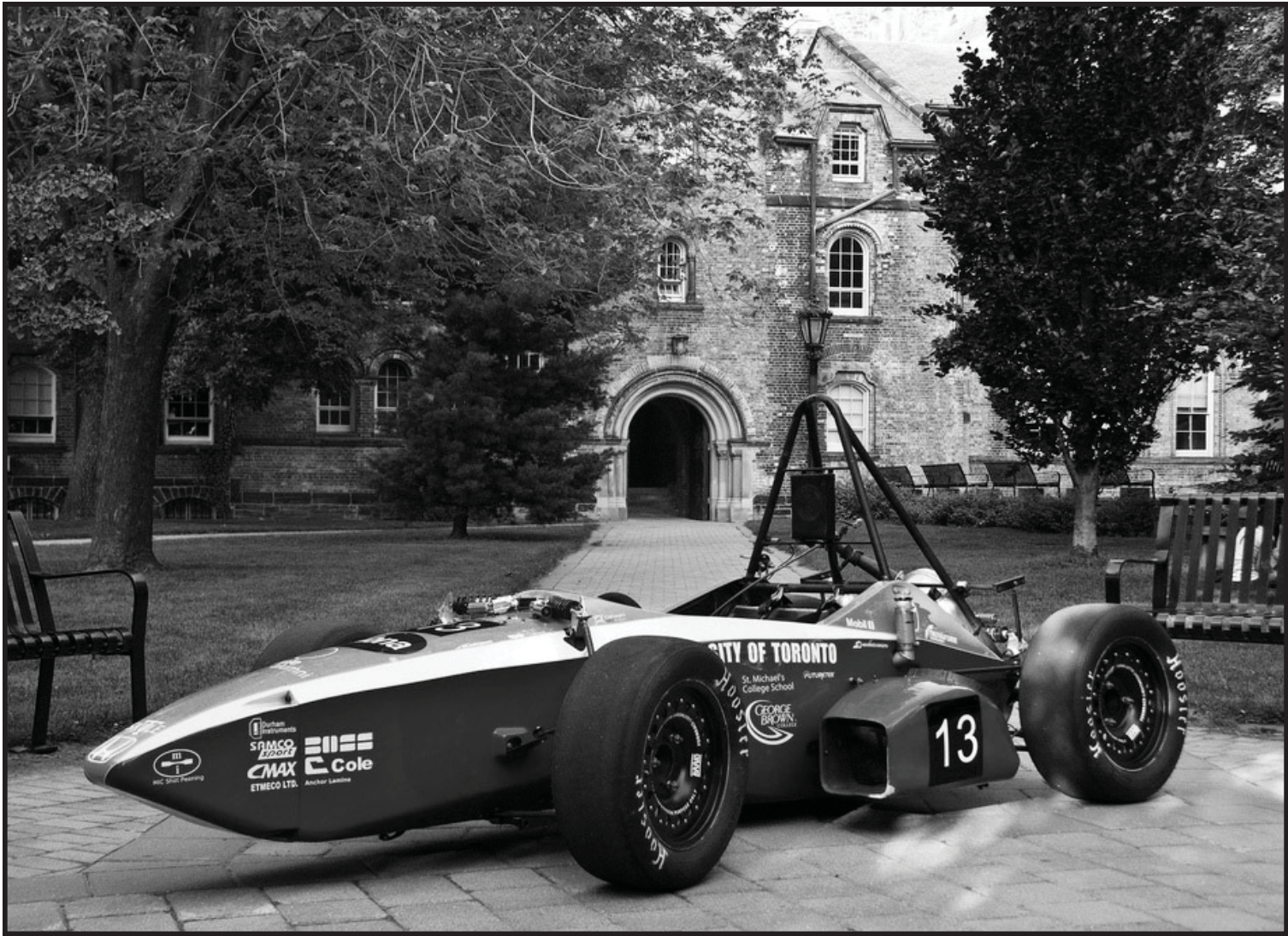


# affiliated clubs





# Formula SAE



U of T Racing is one of 500 collegiate design teams that compete within the Formula SAE Series and is one of the longest running student clubs in Skule history. Our team is composed of students from a variety of disciplines, who participate at an extra-curricular level, developing through practical experience their academic skills in mechanical design, technology, and management. The Formula SAE series challenges students to take on the assumption that they are a manufacturer developing a prototype formula-style racecar that is to be evaluated for production at competition by a panel of experts coming from the motorsport and automotive industries.



Throughout the five day demonstration, teams competitively present their design innovations, cost analyses, marketing plans, and on-track performance. There are 7 international competitions, each requiring teams to build a new car every year. In addition to attending two of these events - In Michigan and Germany, U of T hosts its own competition the "UofT Shootout" that is currently the largest student-organized FSAE competition in the world. Our team has built a reputation as one of the top ranking Canadian teams during our short history of 11 years and we will continue to strive for top place in both ranking and design. For more information, please visit [www.fsaе.utoronto.ca](http://www.fsaе.utoronto.ca) or come by our shop anytime, Haultain 102.







# Association for Wildlife Protection



The Association for Wildlife Protection (ATAWP) is a club dedicated to the protection of wildlife. Our main priority is to raise awareness about current issues regarding wildlife; achieved through monthly meetings where we inform each other about wildlife issues around the world and occasionally, invite guest speakers to talk about specific issues. This year, we showed the compelling documentary “the Cove”. It detailed the horrifying dolphin massacre that happens every year in Japan.

Our club’s secondary objective is to take action. With the support from the University of Toronto community, we gathered hundreds of signatures for petitions that were sent to WSPA and other wildlife awareness organizations.

But most importantly, our club and exec team hope that we can give our members a wonderful experience; an experience where at the end of the day, we can honestly say to ourselves that we’ve tried to help make this world a better place.

# Astronomy and Space Exploration Society

The Astronomy & Space Exploration Society (ASX) is a non-profit organization run by the University of Toronto space community, in Ontario, Canada. ASX’s purpose is to educate, excite, and inspire students, professionals, and the general public about astronomy and space. Since its inception in 2003, ASX has rapidly grown to over 2100 members, and has organized and hosted 10 or more events per year, attracting 1500-2000 event attendees each year. ASX’s signature event is the annual “Expanding Canada’s Frontiers” Symposium, which has attracted an audience of up to 1400 people in a single event. Other events include the “Faces of Space” Lecture Series, StarTalks, Space Exploration Showcase and Observing Nights. Topics of discussion have covered various facets of space, such as “Mars and Beyond”, “The Search for Life”, “Cosmology from the Stratosphere” and “Space Commerce”.



# Blue Sky Solar



The University of Toronto Blue Sky Solar Racing Team is a student-directed project that aims to promote environmentally friendly technologies through the design, construction and showcasing of our world-class solar racing vehicles.

As Canada’s leading solar car team, we custom design every component of the car to our own design specifications, including the design and fabrication of the car’s mechanical, electrical, and telemetry systems. This year the team has been very busy pulling everything together for our 6th generation car. The goal is to have everything ready and in time for a successful race at the 2011 World Solar Challenge in Australia. This biennial event held in October is the biggest solar car race with entrants representing universities and corporations from all across the world. Team members are all excited and looking forward to this once-in-a-lifetime experience.

# CSChE



The Canadian Society for Chemical Engineering (CSChE) is a national association for chemical engineers. Its members consist of practising engineers in industry and members of Chemical Engineering academia. The UofT Student Chapter acts as a link between students in their academic environment and the professional world of chemical engineering. The Chapter’s Mission Statement is:

“To connect the student body of the Department of Chemical Engineering at the University of Toronto with the professional world of engineering, through attendance to the annual CSChE Conference, as well as academic and professional information sessions and workshops, while forging social connections between students and their peers, faculty members, alumni, and industry representatives.”

Our main event is the annual CSChE Conference. In 2009, we sent 25 student delegates to the World Conference of Chemical Engineers held in Montreal, to represent the UofT Department of Chemical Engineering and Applied Chemistry. Here, students are exposed to a wide range of academic and professional development events that complement and enhance their undergraduate studies. At these conferences, student delegates have participated in the Reg Friesen (for non-technical) and Robert Auld (for technical/chemical) engineering competitions. UofT students are well-known for placing top standings in these competitions each year. In addition to the conferences, the Chapter also organizes other events such as PEY info sessions, professor-student mixers, health and safety seminars, Valentine’s Day candy grams and matchmakers, and more.







# CESA



For the past 35 years, the Chinese Engineering Students' Association (CESA) has been a student-run, non-profit organization dedicated to promoting Chinese culture and fostering friendships and networks between its members. CESA has grown to become one of the largest clubs within the engineering faculty, having approximately 350 undergraduate, graduate, and alumni students.

Not only do you get to meet new friends at our social events, but CESA also provides many other services throughout the year. Come receive free lunches while celebrating Chinese festivals with us, receive discounts at stores around Toronto, compete in sports tournaments, enjoy our semiannual CESA Times magazine, and much more!

Join us and receive many great CESA membership products, which include: membership cards, discount booklets, clipboards, and more!

Be sure to look out for our CESA booth around campus during Flrosh week!



# Concrete Canoe

The University of Toronto Concrete Canoe Team is a multidisciplinary design team completely managed by students. Over thirty undergraduates in the Faculty of Applied Science and Engineering form the core design team while others choose to participate as paddlers. Each year, we formulate and test a new concrete mix, which is used to construct a unique canoe with a specific visual theme and design. The theme for this year was chosen to be Pacman, the beloved '80s video game. This year's competition is hosted in Quebec City by the University of Laval, where we aim to place among the top concrete canoe teams in Canada. Our canoe will be raced against other universities and judged based on the overall quality. The University of Toronto Concrete Canoe Team is a great way for students to apply the knowledge they gain in the classroom to a stimulating, interactive design challenge.



# Consulting Association



The University of Toronto Consulting Association (UTCA) aims to educate students about the field of management consulting and raise awareness about the career opportunities available within the industry. UTCA has benefited members of the Engineering Society by providing the opportunity to learn, network, and build relationships by hosting numerous events such as case sessions, panel nights and mock interviews. Our high profile annual Business Case Competition is the largest consulting competition at the University of Toronto and is judged by consultants from top consulting firms.

In addition, our Volunteer Consulting Group (VCG) allows students to gain real world consulting experience by matching top university students with local non-profits to solve problems in the areas of marketing, fundraising, finances and human resource management. Engineering students constitute a large portion of our membership base, participants in our Business Case Competition and Volunteer Consulting Group. Check our website at [www.utconsulting.ca](http://www.utconsulting.ca) or join us on the Facebook (<http://www.facebook.com/group.php?gid=2221847247>) for more information!





# Eng F.A.N.G



EngFANG (or the Engineering Friday All Night Gamers) is a club of students within the Engineering Society, which meets weekly on Fridays. We are comprised mostly of Engineering Science students, but have members from a variety of different disciplines within the Faculty of Applied Science and Engineering. During our weekly meetings, we play various board games and strategy games, and often grab snacks while playing. Some of the games we play include: Axis and Allies, Risk, Settlers of Catan, Diplomacy, Cranium, Twilight Imperium, Illuminati, and other card games.

As a club, we want to provide an opportunity for engineering students to take a break from studying and engage in an activity that they can enjoy. Proper breaks allow students to come back to their studies refreshed and ready to work effectively.

Feel free to visit our website at [www.engfang.skule.ca](http://www.engfang.skule.ca), and contact any of our executive if you have any questions.

# ECC



The University of Toronto Engineering Chinese Club (ECC) is a student organization aimed at uniting Chinese engineers and empower all engineers. We realize this goal by building a common platform for our members and the Skule community at large to further develop ourselves as individuals. We hold many meaningful events (in English) that aim to improve and enrich the university experience of our members. This includes academic mentorship, career development sessions as well as social/networking events.

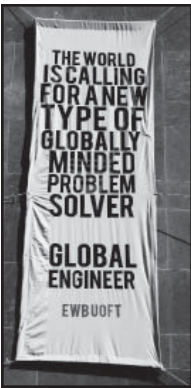
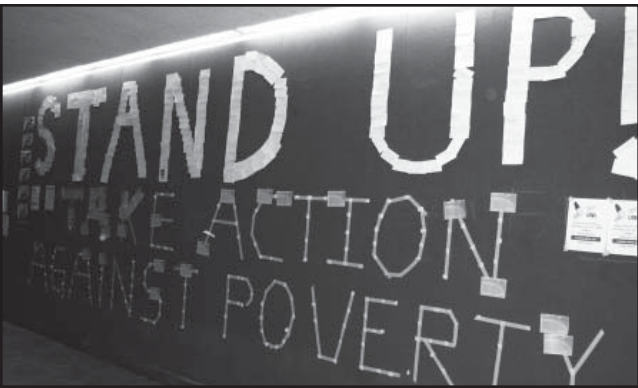
# Engineers in Borders



Engineers IN Borders (EnB) experienced a thrilling first year. We achieved our goal of providing engineering students with an opportunity to volunteer in the community. Leadership, initiative, creativity, teamwork and communication are essential skills which an engineer must possess. Engineers in Borders refines and improves a great variety of crucial skills.

In the year of 1T1 EnB, tutored students, participated in the Great Canadian Shoreline Cleanup by leading the cleanup or the Toronto Islands, built a haunted house for St. Albans and replaced tags and graffiti with a mural in the community. Next year, Engineers in Borders plans to grow, and organize more events in our community. If you have any questions, feel free to contact us at: [enb@enb.skule.ca](mailto:enb@enb.skule.ca)

# Engineers Without Borders



At the Engineers Without Borders U of T Chapter (EWB-UT), 2010-2011 has been a year to remember. At our core, EWB-UT exists because we believe that extreme poverty is not inevitable, that our attitudes and behaviours toward the world make a significant impact. It has been a privilege to work alongside the next generation of global leaders and to watch them grapple with their potential to change the world. With each critical question and lengthy discussion their confidence has grown.

From Development Day Conferences to Global Engineering Outreach at Frosh Week, innovation has been a core theme of the chapter this year. This culture has emerged from members who are constantly seeking opportunities for social change, who are willing to put in the strategic thinking and effort to turn these into reality. Reflecting on the strength of fostering innovation is helping our chapter think differently about how to plan for next year and organize our structure to maximize our potential.

Although this year has seen the emergence of new teams, new partnerships, and a new level of student leadership for EWB-UT, we are only just beginning to realize our potential. 2011-2012 will see a shift from big ideas to big action, as we progress with high-level conversations about Global Engineering and cross-faculty collaboration to the details of implementation and commitment. We will see our relationships with Members of Parliament shift towards concrete actions that improve Canada's aid effectiveness while our innovative youth engagement programs will move from education and inspiration to youth-driven action.

As we progress onto a new year, cannot help but marvel at the next generation of leaders that will step up and lead EWB-UT.





# Iron Dragons

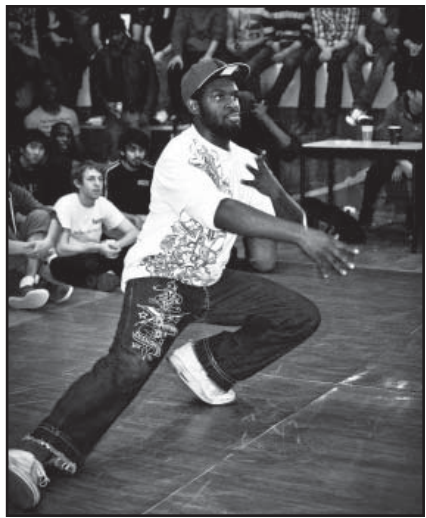
The Iron Dragons had another successful season in 2010! At the Toronto International Dragon Boat Race Festival, they completed the U of T podium sweep at the University Championship, with a record breaking time of 2:08.38; the best in the team's 15 year history.

The team remains one of the most spirited and loudest in the dragon boating community, shouting engineering cheers to show Skule™ spirit. Most notably at the London Dragon Boat Race Festival, the team braved the torrential downpour and belted out cheers while they sat in the boat, drenched from the rain, waiting for the start of the final race.

The Iron Dragons capped off their season at the Great White North Challenge, winning the Creemore University & Education Cup, finishing over 2 boat lengths ahead of the second place team. The only disappointment was not receiving well-deserved compensation of BEVERages from the sponsor of the cup...



# NSBE - Dance Battle







# Skule Arts Festival



Skule Arts Festival is a week-long art exhibition that provides engineering students in the University of Toronto an opportunity to demonstrate their artistry, creativity, multiple talents and to share their interests towards arts. Skule Arts Festival is not only a gala for art enthusiasts in engineering, but also an event for all the students in engineering society to develop their skills and enrich the Skule life.

Skule Arts festival has come to the third year with the support from Skule organizations, faculties and student volunteers. Throughout the last week of January, photography, drawings, paintings, poetry, short stories, calligraphy, sculptures, digital art work and many more mediums were displayed in three major engineering buildings on campus. Also, large scale interactive installations designed by students were presented. With all these excitements from static visual arts, the performance night-Coffee House-brought poetry reading and acoustic performances from Skule peers.

# UTSDC



The University of Toronto Space Design Contest (UTSDC) is an annual contest for high school students that presents a challenging space-related problem to teams of up to five students and tasks them to design an innovative solution. Throughout the year, teams document their solution, culminating in a short report and the opportunity to present it at the Design Conference in May. This internationally-recognized contest brings together students from across Canada, and even from countries as far away as India and Taiwan.

UTSDC is run entirely by undergraduate and graduate engineering students at U of T, with the exception of judges who are engineers or scientists from industry and academia. UTSDC networks with aerospace companies, such as MDA and COM DEV, and even has ties to international organizations, one of them being the AIAA. Therefore, UTSDC provides its members and volunteers with a great opportunity to network with professionals and engage in the Skule community as role models for young students to pursue engineering careers.

# Sustainable Energy Fair



The Sustainable Energy Fair (SEF) Organizing Committee works together to deliver an annual full-day event that showcases innovations in sustainable living and current green technologies. In addition to students and faculty members from the University of Toronto, attendees at the fair also include researchers and distinguished representatives from industry and organizations from our local community. Our goal each year is to demonstrate that sustainable living is simple and can easily be incorporated into everyone's lifestyle through the use of interactive exhibits, a discussion panel and by offering networking opportunities for everyone who desires a sustainable future. For more information about our event and cause, please check out our website ([uoftsef.org](http://uoftsef.org))!

# Sustainable Engineers Association



The Sustainable Engineers Association Conference (SEAC) is designed to expand the minds of students passionate about learning more on the topic of sustainability. In this one day event, students learned about the current state of sustainable development and technology in Canada and internationally. The conference will provide students with a chance to meet the leaders and innovators from sustainable industries in a formal and professional setting to serve as an educational and inspirational experience, empowering and encouraging attendees to make an impact in their own careers and personal lives.

This year's Conference features 9 excellent speakers. They are Jean-Francois Barsoum from IBM on Sustainable City, Graeme Stewart from ERA group on Urban Building Renewal, Dani Marino from Halsall on Sustainable Building, Jane Huang from Zenn Motors on Electric Cars, William Goodings from Canadian Executives Service Organization on Waste Management, Trish Yee from Steam Whistle on Green Brewery, Becca Lane and Shawn Smith from the Ministry of Transportation on infrastructure and transportation.





# UTRA



University of Toronto Robotics Association (UTRA) is a student interest group running multiple teams in many fields of robotics. The Robotics Association embraces students who are interested in robotics regardless of previous background, knowledge or skill. Through involvement with UTRA, students are able to apply what they learn in school to solve real-life engineering challenges while having a chance to develop their team skills.

UTRA holds Sumo-bot Competition for beginners to learn the essential skills needed for more advanced projects. In addition, we have mastered the art of Combat Robotics (World Champions) and we are on our way to conquer Autonomous Robotics and Artificial Intelligence. We also take on fun projects such as 3D Printers (RepRap) and much more. Check out our website at [www.utra.ca](http://www.utra.ca) !

# Web Startup Society



Programming + Startups = Cool . We like to build things online, because nothing is more satisfying than creating something useful that lots of people will benefit from. We've held DemocampUofT, a showcase of cool web or mobile apps that students have built in their spare time. We also hold meetups that feature hottest Toronto startups and get them to share their experience and insider stories on the ups and downs of an entrepreneurial driven lifestyle. Lastly, we also hold workshops that feature the latest technology such as Ruby on Rails or Android development.



# Skule™ Orchestra



Skule Orchestra is a 60-plus member symphonic orchestra in which members enjoy playing challenging repertoire. Now in its fifth year, the orchestra pursued musical excellence while having fun and learning together.

This year, we brought our light-hearted Pops concert back and to the Knox College Chapel, where we performed hits from movies and video games as well as past Skule Nite favorites to start off the season. The orchestra then hosted the annual Skule Music Concert, where all Skule Music ensembles gathered to showcase musical talent within the engineering community to end the first semester.

Moment, the Valentine's Ball, was an elegant, refined evening of ballroom dancing. Guests learned to waltz and foxtrot with an introductory lesson from a professional dance instructor, and danced to live music from the orchestra. Delightful desserts, photography from the Skule Photography Club, and the grand appearance of Hart House Great Hall combined to make the evening an unforgettable experience.

The year culminated with an ambitious and grand performance at Symphonic Boom at the Church of the Redeemer, where the orchestra performed the great Symphony No.1 by Sibelius and the 1st Movement of the Chopin Piano Concerto No. 2.

Executive Committee

Conductor and Musical Director: Alessandro Ariza, EngSci Infra 0T8+PEY, Civ MASc Candidate

Managing Director: Jessica Lovelock, EngSci 1T3

Finance Director: Sophie Hu, Chem 1T1

Promotions Director: Jack Chao, Mech 1T2

Social Director: Bridget Mills, Chem 1T2

Secretary: Amanda Sistilli, Chem 1T0+PEY





# Skule™ Stage Band



Skule Stage Band, the 18-piece engineering jazz big band, was established in 1983 with the help of Professor Malcolm McGrath and the Skule Alumni Association and has been grooving ever since. There’s been so much interest that three years ago, we founded a second big band, Skule Stage Band Blue.

The Skule Stage Band shone this year at all of our performances, playing new and old swing, latin, ballad, and funk repertoire. The group put music in the air and jazzed up lots of annual Skule events such as Suds, Engineering Science Dinner Dance, Skule Music Concert, Cannonball, Gradball, and of course, our annual Jazz at Oscar’s performance at the Arbor Room.

We want to thank all of our players as well as all of our fans for their dedication and enthusiasm. Thanks for such a successful and enjoyable year!

Wayne Choi, Director 1T0-1T1

Marc Tyndel, Business Manager 1T0-1T1



# Brass Ring



Director: Andrew Oldham

- OVERVIEW -

The Brass Ring is UofT Engineering’s award winning Brass Quintet. The group was formed in 2005 by five students interested in playing some traditional quintet repertoire. This year with the influx of new first year students, we decided to take on a rehearsing ensemble of seven; an indication of the immense interest in music that continues to exist within UofT Engineering students. Traditionally (but not exclusively) comprised of engineering students, we perform a variety of Baroque and Classical arrangements as well as a repertoire of popular Christmas carols, hymns and songs. We offer a nice addition to lunches, dinner parties or any other event looking for the added touch of live music.

- PERFORMANCES -

The group performs at various venues and events, large and small throughout the year. Our annual performances include the Skule™ Music Concert and our own end of year concert in the spring. This year, for the second year in a row, we were privileged to perform at the Dean’s Holiday Reception. Seasonal engagements include Faculty Club dinner parties, Alumni & Departmental receptions, the UofT Remembrance Day ceremony and wedding entertainment, to name a few. We are always interested in performing at events large or small.

- AWARDS -

The Brass Ring competes at the Kiwanis Music Festival of Toronto. The group has first place standings as well as the highest rating of Gold to its credit.

-MEMBERS-

Trumpet - Tony Liu - ECE 1T4

Trumpet - Adam Yaremko - NSCI 1T3

Tuba - Calvin Moes - NSCI 1T3

French Horn - Jeremy Shindman - History 1T3

Trombone - Andrew Oldham - MECH 1T1+PEY

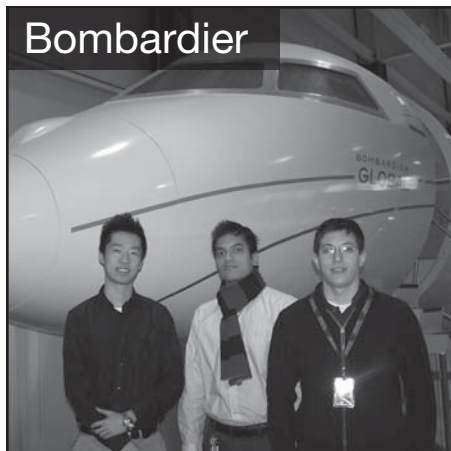




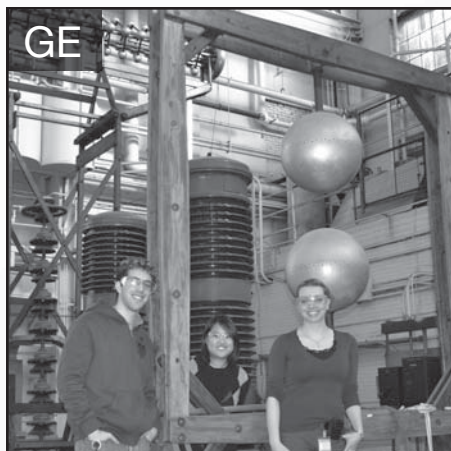
# Professional Experience Year



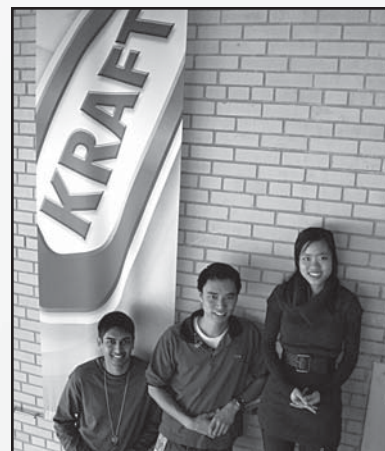
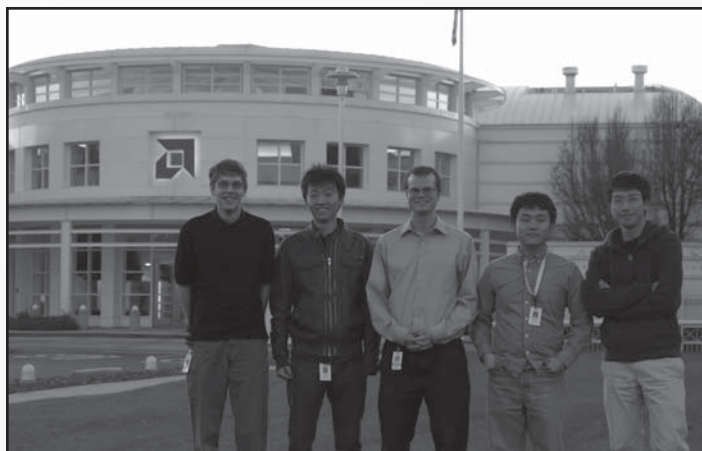
Suncor



Bombardier



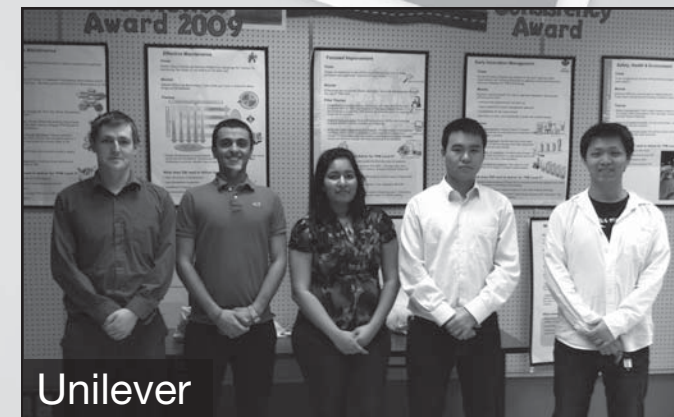
GE



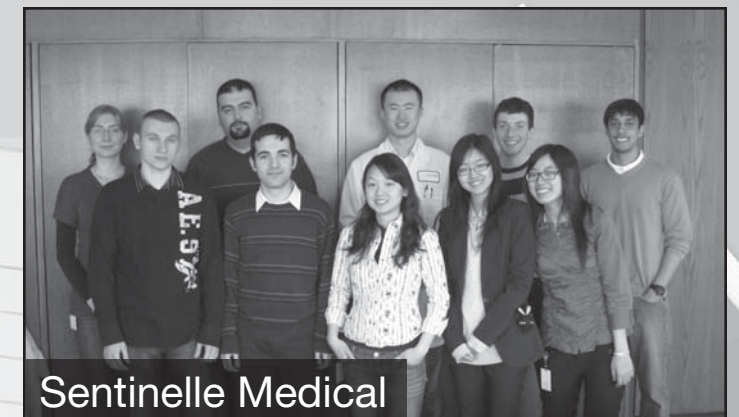
Environment Canada



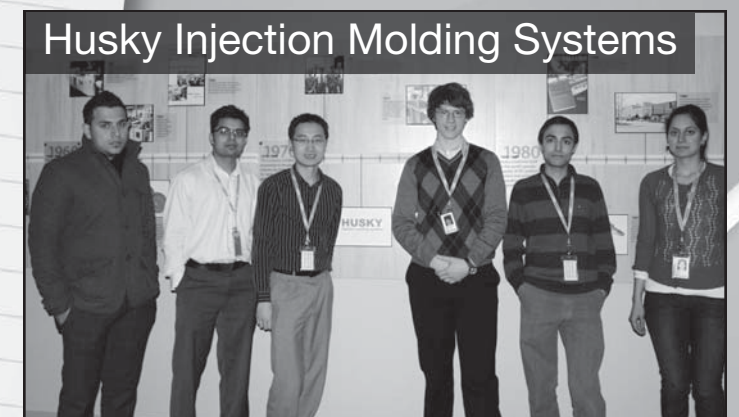
Teknion Furniture Systems Ltd.



Unilever



Sentinelle Medical



Husky Injection Molding Systems



Actel Corporation

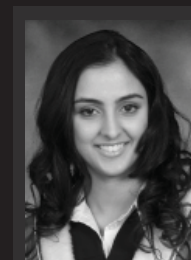


AECON



# Graduates of 2011

## Chemical Engineering Graduating Class of 2011



Shufrah  
Alam



Shams  
Ayyub



Varvara  
Boiarschii



Xuan  
Cao



Charlie  
Cassin



Josephine  
Chan



Nanhao  
Chen



Elvina  
Chow



Yang  
Chu



Justie  
Chung



Katerina  
Dagainis



Drew  
Desembrana



Babak  
Doroudiani



David  
Drutz



Cass  
Evans



Amna  
Fiaz



Shuang  
Fu



David  
Gambin



William  
Garcia



Radoslav  
Georgiev



Eric  
Giddings



Nicole  
Go



Joanna  
Gogovita



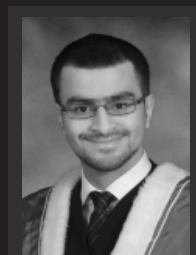
Jonathan  
Gunasingham





# Chemical Engineering

## Graduating Class of 2011



Zain  
Hanif



Minxing  
He



Thao  
Ho



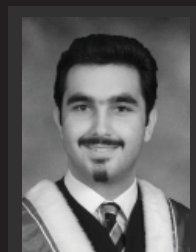
Hong  
Hoang



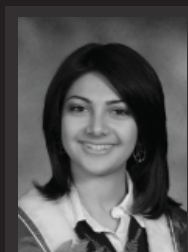
Timothy  
Hung



Isaac  
Ip



Tarik  
Issa



Parnian  
Jadidian



Xiaoxing  
Jin



Saeed  
Kaddoura



Yiyang  
Kang



Andrew  
Kessel



Rosanna  
Kronfli



Charles  
Kyriacou



Phillip  
Liebrecht



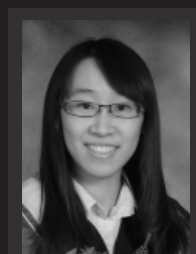
Rolan  
Lewis



Bin  
Li



Lan  
Li



Yan  
Liang



Justin  
Lipiec



Emily  
Liu



Frank  
Liu



Wan Ka  
Lo

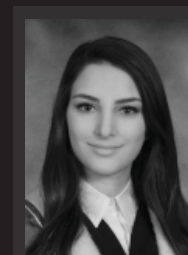


David  
Luu



# Chemical Engineering

## Graduating Class of 2011



Irena  
Mahdavi



Akarshi  
Mathur



Mercedeh  
Modir Shanechi



Mortah  
Nabavi Niaki



Ralitsa  
Naydenova



Kent  
Ng



Jon Albert  
Obnamia



Patrick  
Paik



Stephen  
Pinto



Shamit  
Raj



Christopher  
Reali



Wei  
Ren



Matthew  
Rulli



Samia  
Sadat



Aleksandar  
Saric



Setayesh  
Shafiei-Monfared



Pamuditha  
Silva



Jeremy  
Sin



Amanda  
Sistilli



Andrei  
Sitartchouk



Nithershan  
Sivanesan



William  
Smook



Antonino  
Spatafora



Ajmal  
Tahir





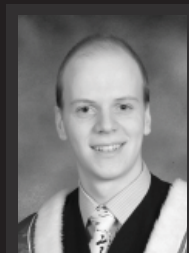
# Chemical Engineering Graduating Class of 2011



Zhiyang  
Teo



Edward  
Tey



John  
Tomory



Qian  
Wang



Ke  
Wen



Ming Po  
Wong



Lin  
Xia



Fan  
Xu



Le  
Yan



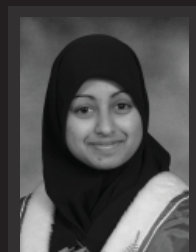
Wendy  
Yang



Gary  
Yip



Patric  
Young



Anam  
Yunus



Sami  
Zakaria



Ziheng  
Zhang



Fang Lin  
Zhao



Han  
Zhou



# Civil Engineering Graduating Class of 2011



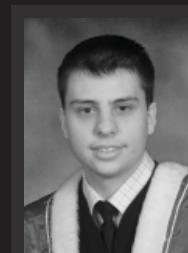
Zaidun  
Alganabi



Syed Hanoon  
Ali



Amin  
Alibeik



Jeff  
Allen



Ardavan  
Amirchoupani



Sean  
Ashman-Gordon



Sai Lok  
Au



Mihail  
Badea



Mark  
Bekkers



Andrew  
Bernard



Vladislav  
Bondarenko



Alberto  
Bravo



Jonathan  
Brinias



Chantelle  
Burgess



David  
Carere



David  
Carnovale



Hyun-Chul  
Chai



Lu  
Cheng



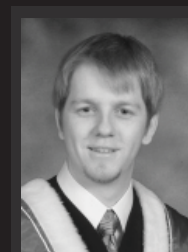
Hyo-Jung  
Choo



James  
Chowattanakul



Anna  
Cola



Phelan  
Cullen



David  
Fisher



Lesley-Ann  
Foulds



David  
Gafni



Mark  
Gaglione



David  
Godri



Yuzhu  
Gong



Ingrid  
Hettinga



Joseph  
Ho



# Civil Engineering

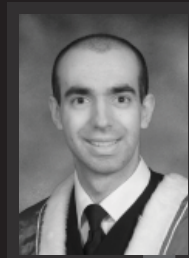
## Graduating Class of 2011



Zhanyu  
Huang



Ala  
Hussain



Dan  
Iosif



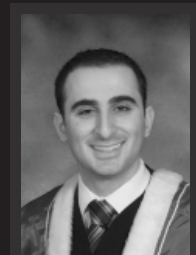
Ka Chun  
Lu



Wenxuan  
Ji



Xiaocen Connie  
Jia



Harout  
Kassabian



Daron  
Keskinian



Talat  
Khafash



Junsoo  
Kim



Steven  
Kirwan



Karim  
Kobeissi



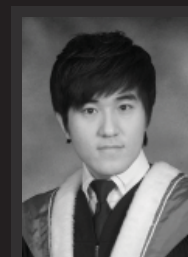
Daniel  
Kotwinski



Justin  
Kwok



Hok Cheong  
Lee



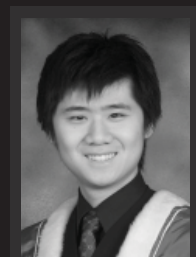
Hongwook  
Lee



Pearl  
Leung



Tong  
Li



Jeremy  
Lian



Song  
Lim



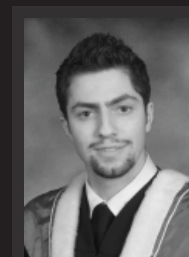
Zhao  
Liu



Ryan  
Livingston



Mark  
Macchia



Tarik  
Madi



Kevin  
Major



Zafin  
Menkechian



Tyler  
Mieke



Arad  
Mohaghegh



Arian  
Mohebkhani



Hamza  
Mortgage

# Civil Engineering

## Graduating Class of 2011



Mahdiyar  
Mougouei



Taras  
Myslyvchuk



Dmitry  
Nemenov



Bo  
Ni



Andrew  
O'Connor



Kyesia  
O'Neale



Matthew  
Pagano



Jaka  
Pang



Young  
Park



Veiko  
Parming



Michael  
Persechini



Zuri  
Powell



Alessandro  
Raimondo



Brendra  
Rasaratnam



Jonathan  
Rebelo



Ayman  
Sadek



Aditya  
Saputro



Mais  
Sawaf



Alberino  
Scarpato



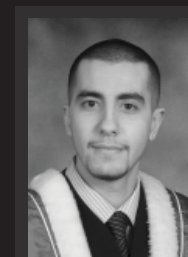
Amir Hossein  
Soltani



Sunny  
Szeto



Kaveh  
Taherkhani



Fady  
Takla



Arjang  
Tavassoli



Ruth  
Teclemariam



Heather  
Trommels



Gary  
Tsang



Hao  
Wang



Jianyu  
Wang



Adam  
Weiss



# Civil Engineering Graduating Class of 2011



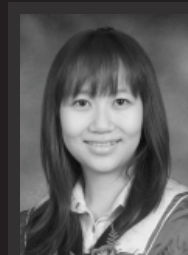
Christopher  
Winger



Billy  
Wong



Cyrene  
Wu



Shaohui  
Wu



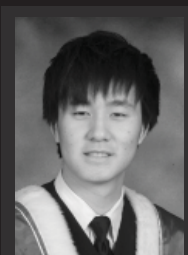
Jack  
Yang



Chris  
Yardy



Anthony  
Yau



Zhetao  
Yu



Sina  
Zahedi



Kevin  
Zhang



Jimmy  
Zhao



Junshi  
Zheng

# Computer Engineering Graduating Class of 2011



Richard  
Abrich



Marwan  
Aladdin



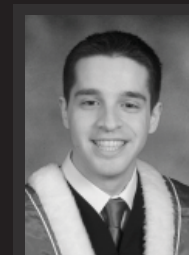
Rugved  
Ambekar



Lei Jimmy  
Ba



Dhruv  
Bassi



David  
Bugeja



Jason  
Chiu



Yong Ho  
Choi



Daniel  
Cooperman



Martin  
Cortez



Aniket  
Datta



Keane  
D'Cunha



Mark  
Deutsch



Steven  
Doo



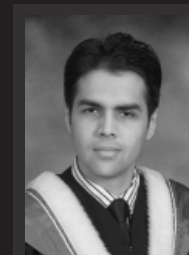
Alfred  
Du



Kenrick  
Du



Alexandra  
Egli



Shubham  
Gandhi



Iqbal  
Gill



Branislav  
Grujic



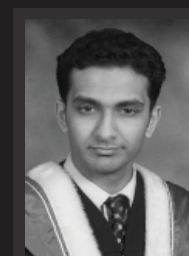
Sarah  
Hossain



Jin Jin  
Jeong



Patrick  
Judd



Mohammed Isahan  
Khan



# Computer Engineering Graduating Class of 2011



Catherine  
Kierans



Joshua  
Kwan



Sean  
Lamers



Zhan Hong  
Liau



Thomas  
Lin



John  
Matienzo



Michael  
Michniewski



Carl  
Noel



Asif  
Noorali



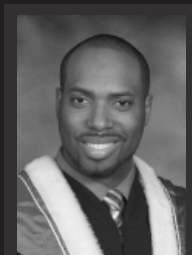
Vanessa  
Oktem



Vincenzo  
Oppedisano



Karan  
Patel



Troy  
Patterson



Alexander  
Pivovarov



Chris  
Pulsinelli



Jose Emmanuel  
Quiaoit



Andres  
Rodriguez



Rebecca Jill  
San Luis



Yi Chieh  
Shih



Kevin  
Singh



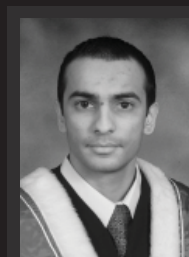
Gobiraj  
Sivalingam



Philippe  
Stedman



William  
Suriaputra



Jay  
Suthar

# Computer Engineering Graduating Class of 2011



Colin  
Swann



Andy  
Tam



Aditya  
Thakkar



Matthew  
Thorpe



Ilian  
Tili



Chu  
Tong



Kushagra  
Tripathi



Vivek  
Vijayan



Evan  
Williams



Kelei  
Xu



Guangquan  
Zhao



Chang  
Zhou



Yang  
Zhou

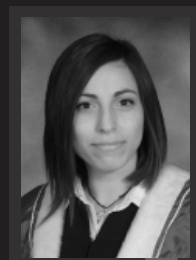




Moeed  
Ahmad



Rohaan  
Ahmed



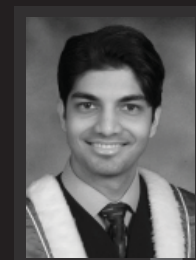
Sahar  
Akbari



Raza  
Ansari



Mohammad  
Hasanain  
Arshad



Syed  
Asjad Hasan

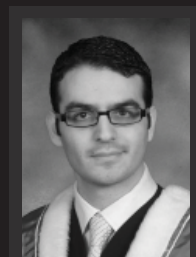
## Electrical Engineering Graduating Class of 2011



Clinton  
Azavedo



Shamina  
Azfar



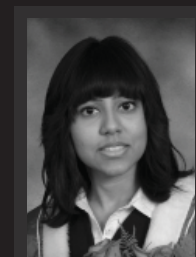
Mario  
Badr



Vinod  
Balasubramanian



Valentin  
Berbenetz



Natasha  
Bose



Chen  
Cao



Nicholas  
Carriere



Richard  
Castellino



Guan Qun  
Cha



David  
Chakkuthara



Bernard  
Chan



Eric  
Chen



Stephanie  
Ching



Dolly  
Chopra



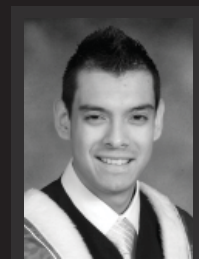
Chun Yin  
Chu



Andrew  
Chung



Matthew  
Cott



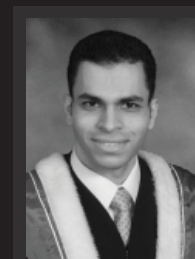
Gustavo  
Del Valle



Quyet  
Dinh



Farhad  
Dolatabadi



Mohamed  
Elsayed



Andrew  
Eskander



Mohammad  
Fahim Ali



Huaming  
Fu



Juan  
Fuentes



Se-Hwan  
Gil



Amreen  
Grewal



Harpreet  
Grover



Robert  
Gunabalendra

## Electrical Engineering Graduating Class of 2011



Sana  
Haghighi



Syed  
Haider



Mueen  
Hakak



Kevin  
Ho



Wei Hsiang  
Hsu



Teng-Chuan  
Hu



James  
Huang



Milad  
Iranzadeh Boukani



Payam  
Izadpanah



Heng  
Ji



Yang  
Jiao



Michael  
Jones



Long  
Ju



Jehanzaib  
Karim



Beoumsuk  
Kim



Clyde Sangyoon  
Kim



Dongkun  
Kim



Kyungsik  
Kim



Soowon  
Koh



Kovacevic  
Neno



Aarti  
Kumaraswamy



Justin  
Kwee



Chun Fung  
Lam



Michael  
Lam





Ka Hei  
Lau



Seung Hyun  
Lee



Warren  
Leung



Chen  
Li



Haoting  
Li



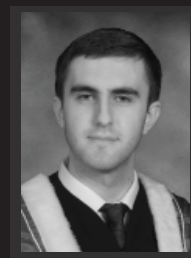
Jialiang  
Li



Patrick  
Paz



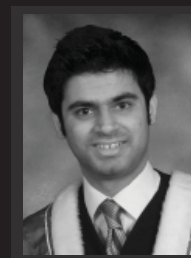
Andre  
Persaud



Svetislav  
Plemic



Arsalan  
Rana



Fahad  
Rashid



Faraz  
Rizvi

## Electrical Engineering Graduating Class of 2011



Kai  
Li



Mo  
Li



Wei  
Li



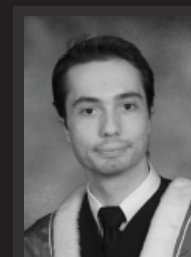
Wenyu  
Li



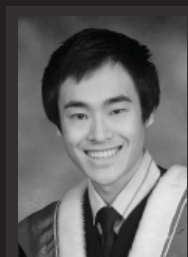
Xiangkun  
Li



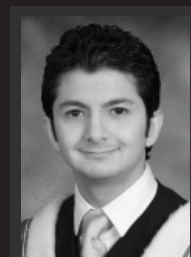
Hao  
Liang



Aleksandar  
Rosic



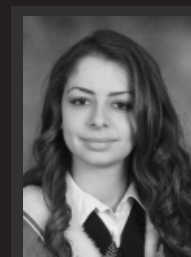
Shicheng  
Ruan



Hamza  
Saigol



Osman  
Saleem



Christina  
Saleh



Mahesh  
Samarasin  
Dissanayake



Ren  
Liao



Cheng  
Lin



Haoying  
Lin



Yueh Cheng  
Lin



Aileen  
Liu



Hao Jun  
Liu



Vajira  
Sarathchandra



Ameya  
Sawant



Pete  
Scourboutakos



Ruwan  
Senevirathne



Muhammad  
Ashher  
Shamsi



Muttee  
Sheikh



Patrick  
Lourdu



Jun  
Lu



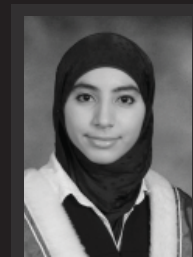
Kevin  
Luh



Li  
Luo



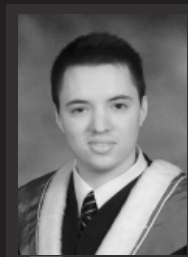
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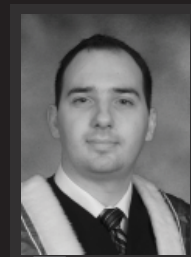
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Sumit  
Sikder



Marcin  
Smigiel



Dimitar  
Staykov



Steven  
Su



Richard  
Sun



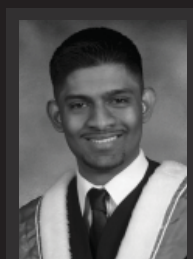
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Rafik  
Matta



Peter  
Milankov



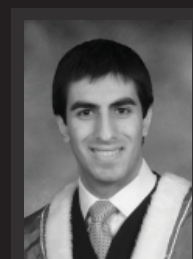
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Nadesan



Jatin  
Nagpal



Gabriel  
Ng



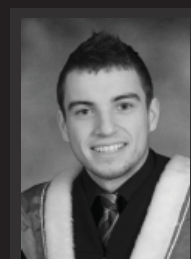
Arian  
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Yu  
Tang



Victor  
Tran



Sergey  
Trunov



Menglong  
Tu



Samir  
Tushar



Bijan  
Vaez Ghasemi

## Electrical Engineering Graduating Class of 2011



# Electrical Engineering Graduating Class of 2011



Maolin  
Wang



Tianyu  
Wang



Tong  
Wang



Zhe Nan  
Wang



Jingying  
Xiao



Chuan  
Xiong



Kelly  
Yan



Zhao  
Yan



Jing  
Yang



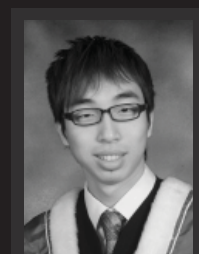
Shicong  
Yang



Jin Yong  
Yee



Yibo  
Yu



Chris Sheng Feng  
Zhan



Zheng  
Zhang



Wen Bo  
Zhao



Yetao  
Zhu



Bo  
Zong



Ignacio  
Zuleta



Michael  
Abramovich



Shahed  
Al-Haque



Abderahmane  
Allalou



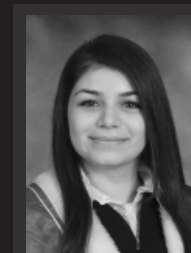
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An



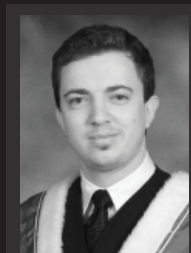
Stefan  
Aprodu



Manan  
Arya



Maryam  
Badakhshi



Peter  
Badea



Sean  
Bell



Nishant  
Bhatt



Catriona  
Boyd



Trevor  
Campbell



Monica  
Chaumont



Si  
Chen



Wei-Han  
Chen



Xi  
Chen



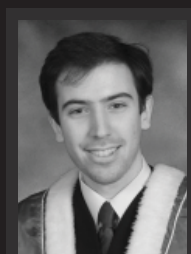
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Choi



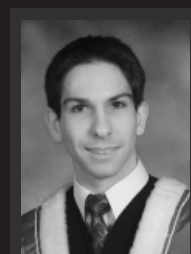
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Damianidis



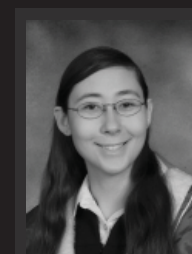
Daniel  
Di Matteo



Alexander  
Duarte Laudon



Michael  
Ferri



Tamara  
Finlay



Justin  
Freedman



Marina  
Freire-Gormaly



Barsan  
Fu



Cindy  
Fung



Amanda  
Giang



Vasily  
Grigorovsky



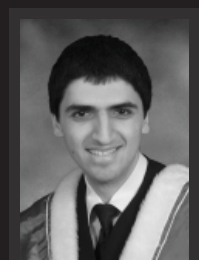
Jason  
Gu



Yonatan  
Halpern

# Engineering Science Graduating Class of 2011





Mark  
Harfouche



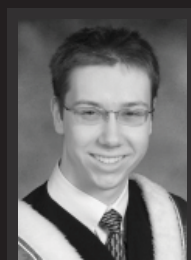
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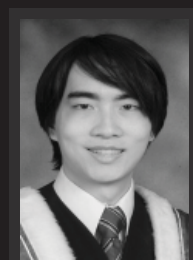
Alexandra  
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Avriel  
Herrmann



Galen  
Hogan



Curtis Su-Tsun  
Huang



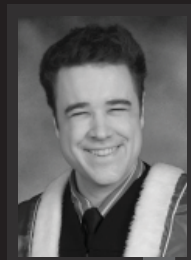
Jia An  
Huang



Xiaoshi  
Huang



Yuheng  
Huang



Chris  
Hughes



Youngchul  
Hwang



Scott  
Jeong



Louie  
Liu



Xia  
Liu



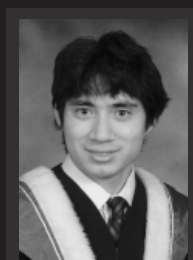
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Zhao  
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Wen  
Ma



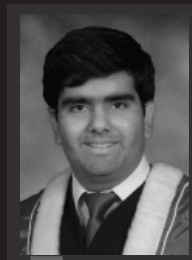
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Evelyn  
Mukwedeya



Enrico  
Nardozi



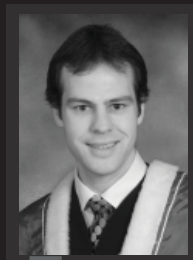
Maaz  
Nasir



Jonathan  
Ng

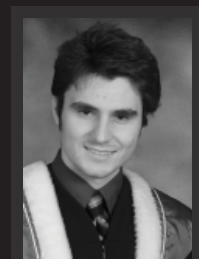


Lian  
Ni



Eric  
Nicholson

## Engineering Science Graduating Class of 2011



Aleksandar  
Kuzmanovic



Alan  
Lam



Enoch  
Lam



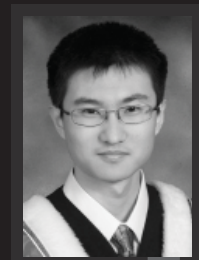
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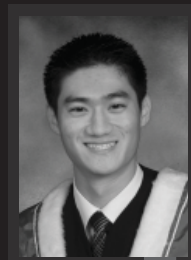
Hilary  
Leung



Bingyu  
Li



Leon  
Li



Mark  
Li



Michael  
Li



Rophina  
Li



Ying  
Li



Jason  
Liang



Sukjin  
Lim



Lina  
Lin



Zhou  
Lin



Andrew  
Liu



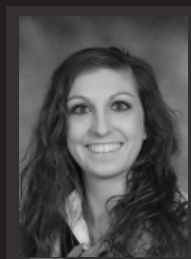
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Liu



Jamie  
Liu



Varun  
Ohri



Shannon  
O'Keefe



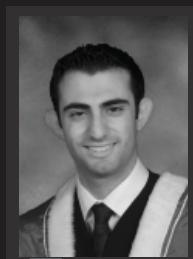
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Rohan  
Palaniappan



Adam  
Pan



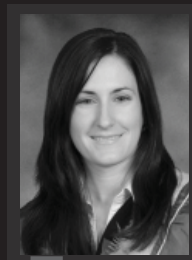
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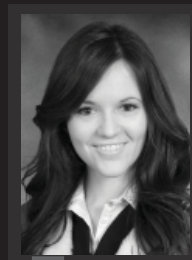
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Pang



Chang Jun  
Park



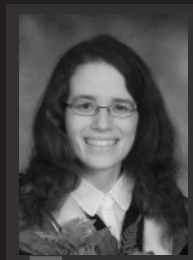
Kelly  
Payette



Laura  
Poloni



Prajwal  
Prasan



Elicia  
Prystay



Kevin  
Pui



James  
Qian



Xulong  
Qu



Emma  
Rapati



Andrew  
Rofael



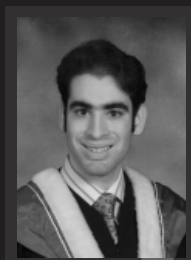
Sanae  
Rosen

## Engineering Science Graduating Class of 2011





Christopher  
Ryan



Raphael  
Sammut



Mojdeh  
Shakiba



Jeffrey  
Sham



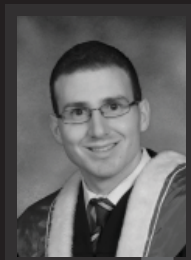
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Shi



Hasmita  
Singh



Kevin  
Siu



Stephen  
Smith



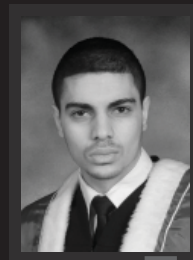
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Snelgrove



Dantong  
Song

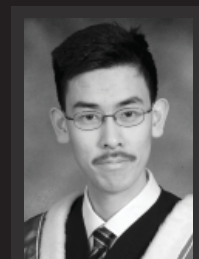


Duluxan  
Sritharan



Farhang  
Taher Khorram  
Abadi

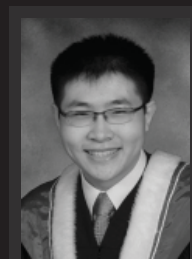
## Engineering Science Graduating Class of 2011



Richard  
Tam



Tang  
Tang



Pengwei  
Tao



David  
Taylor



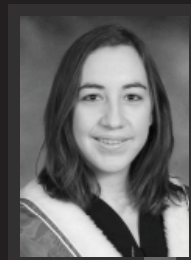
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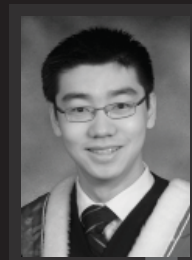
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Tsotsos



Samantha  
Vigder



David  
Wang



Peter  
Wang



Qiwei  
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Sida  
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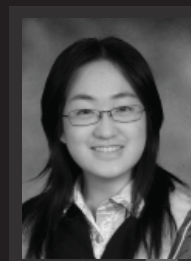
Tianyi  
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Meng  
Wei



Chun-Wang  
Rankie  
Wong



Emily  
Wu



Lei  
Wu



Nan  
Wu



Yuchen  
Wu



Kun  
Xie



Bo  
Xu



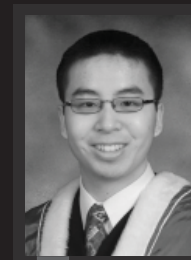
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Yamana-Hayes



Harvey  
Yang



Chunhim  
Yau



Wei Zhong  
Ye



Shawn  
Yin



Yue  
Yin



Jean Bernard  
Yung Hing Hin



Sameer  
Zaheer



Qiuchen  
Zhang



Rick  
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Ryan  
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Yun  
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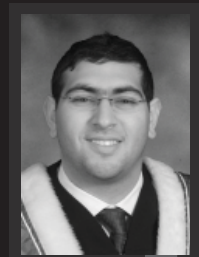
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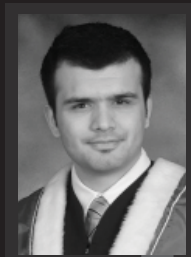
Xingye  
Zhu

## Engineering Science Graduating Class of 2011

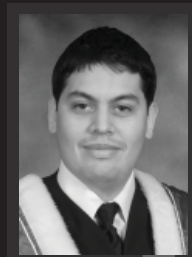




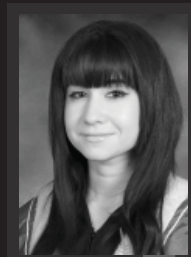
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Abu Zahra



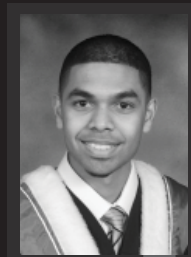
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Altinbas



Jose  
Arancel



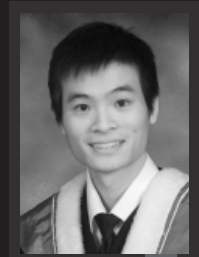
Karin  
Ayanian



Aaron  
Bastiampillai



Liam  
Bauer



Kwun Hang  
Chan



Sarah  
Chen



Hoi Ki  
Cheung



I-Chun  
Chiu



Wayne  
Choi



Carmen  
Chui



King Yip  
Lau



Jennifer  
Leung



Heyse  
Li



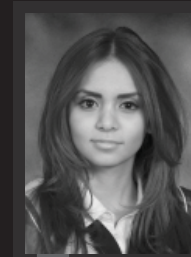
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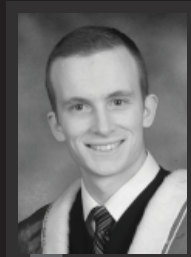
Jordan  
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George  
Marouchos



Janan  
Mirmohammadi



Valentine  
Neiman



Karen  
On



Alborz  
Parcham-Kashani



Christopher  
Parentela



Maria  
Perivolaris

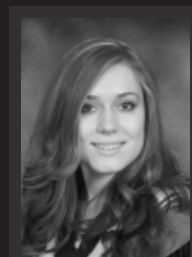
## Industrial Engineering Graduating Class of 2011



Rommel  
Corral



Yueliang  
Dai



Evgueniia  
Doudareva



Byron  
Fung



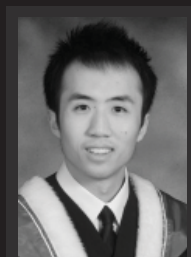
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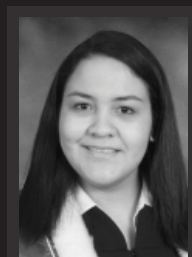
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Han



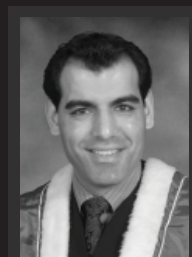
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Ragunathan



Sheng  
Rao



Rossana  
Rodriguez



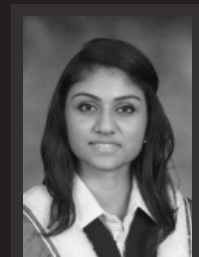
Ahmad  
Sadr Ghayeni



Dina  
Shakir



Anna  
Sheu



Tasmi  
Haque



Karen  
Hawkins



Yingjin  
He



Ahmad  
Hejran



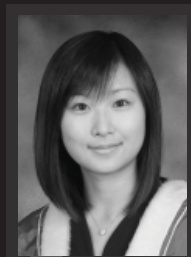
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Huang



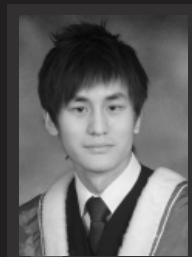
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Iliev



Wen  
Su



Karen  
Sun



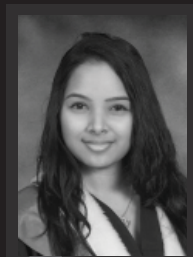
Robert  
Tedja



Emad  
Toukan



Alvin  
Tsui



Neeharika  
Tummala



Jane  
Ip



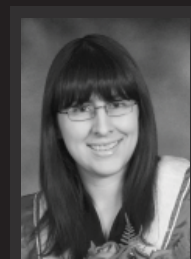
Vijayamathie  
Jeyakumar



Hao Yu  
Ji



Justin  
Kirkey



Enida  
Kule

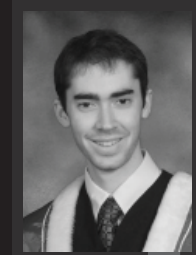


Kit Phillip  
Lam

## Industrial Engineering Graduating Class of 2011



# Industrial Engineering Graduating Class of 2011



Gideon  
Wilk



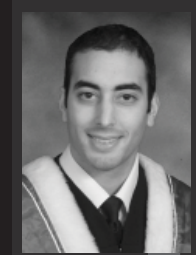
Justin  
Wong



Jiahui  
Xu



Samantha  
Yang



Ramzi  
Yanis



Junyu  
Zeng



Ramin  
Zohrabbeik

# Mineral Engineering Graduating Class of 2011



Mohd Safwan  
Ahmad Nadzri



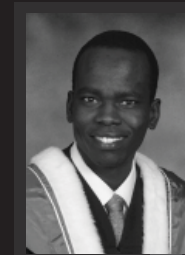
Daniel  
Alksnis



Rachel  
Ghent



Julianne  
Keech



Thon  
Kuany



Danruo  
Liu



Crystal  
Lui



David  
Macdonald



Vinay  
Maliakkal



Daniel  
Persaud



Nick  
Yugo

# Mechanical Engineering Graduating Class of 2011



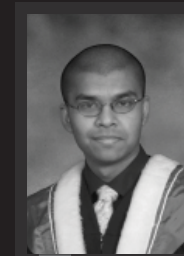
Azhar  
Ahmed



Blair  
Antcliffe



Qing  
Ba



Pulasti  
Bandara



Xini  
Bao



Justin  
Bauslaugh



Pankaj  
Bhatti



Waqass  
Bhatti



Jeremy  
Bluvol



Kyle  
Booth



Pavel  
Bovbel



Jonathan  
Brooks



Evgheni  
Cebanov



Ali  
Cerit



Saptarshi  
Chakraborty



Tiffany  
Chan



Varun  
Chandan



Wei Hao  
Chang



Clarence  
Cheung



Brandon  
Chong



Carson  
Chu



Timothy  
Chua



David  
Clease



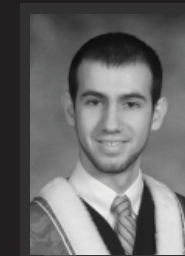
Brendan  
Cochrane



Anthony  
Colin



Marc  
Dallen



Jawad  
Daou



Steven  
Deason



Hong  
Deng



Duncan  
Edwards





Ataa  
Elahi



Ayokanmi  
Falade



Xuanchen  
Fan



Furqan  
Farooq



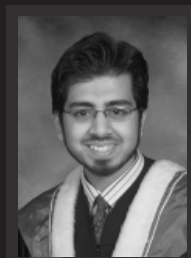
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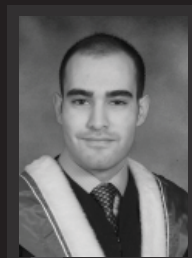
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Chung-Wei  
Kao



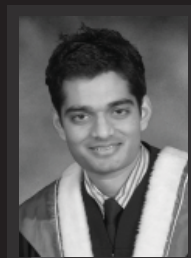
Muhammad  
Owais  
Khan



Arian  
Khorshid



Benedict  
Koo



Anand  
Krishnan



Danica  
Kyryllo



Keelan  
Gallagher



Nirojan  
Ganesanathan



Xiao  
Geng



Joshua  
Ghent



Hamid  
Ghoorchiani



Farrukh  
Ghouri



Pak Yiu  
Lam



David Yun-Ta  
Lee



Hiu Chun  
Lee



Hyun Woo Kevin  
Lee



Terence  
Lee



Noel  
Lee



Benjamin  
Goldberg



Yutong  
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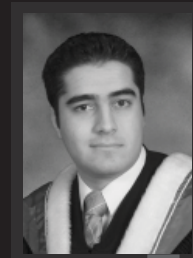
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Stefan  
Gueorguiev



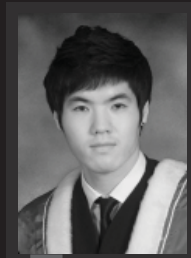
Jeyashankar  
Gulasekaram



Nima  
Haratian



Sang Jun  
Lee



Seoho  
Lee



Adrian  
Li



Avraham  
Libman



Karen  
Lindsay



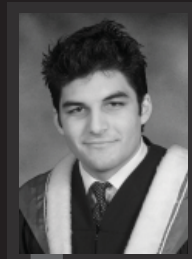
Geoffrey  
Louie



Jonathan  
Luk



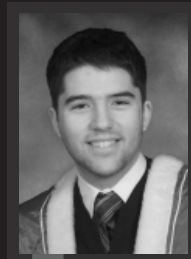
Wilson  
Ma



Ahmed  
Mahmoud



Yufei  
Man



Alexander  
Martins



Volodymyr  
Martsinkovskyi



Thomas  
He



Alex  
Ho



Ronald  
Hoffer



Julie  
Hommik



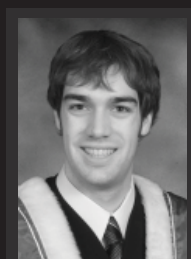
Quinn  
Hu



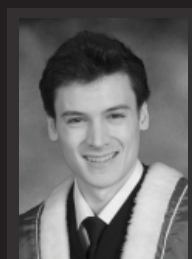
Keith  
Hui



Brendan  
Mcdermott



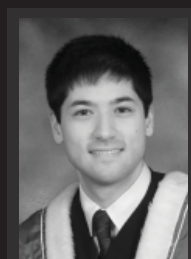
Michael  
Medal



Marius  
Mihaila



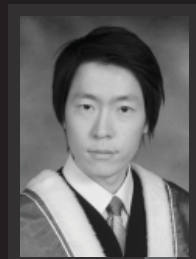
Alireza  
Moeini



Owen  
Moffitt



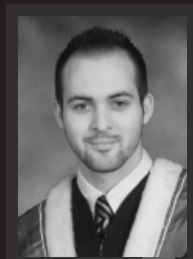
Mehrdad  
Momena



Jemin  
Hwangbo



Luke  
Jasudavicius



Robert  
Johnson



Fadi  
Jozif



Hoon Suk  
Jung



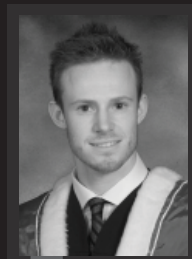
Huake  
Kang



Amir Hossein  
Moradi



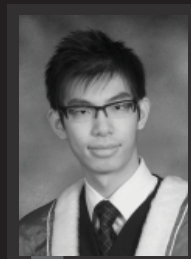
Mohamad  
Nsouli



Zachary  
Oleitschuk



Caroline  
O'Shaughnessy



Leung Ting  
Pang



Regina  
Parke

# Mechanical Engineering Graduating Class of 2011

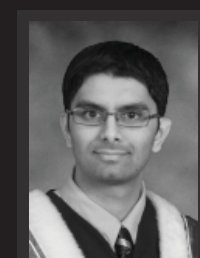




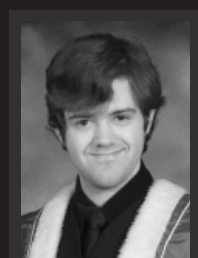
Taewon Park



Donn Pasillao



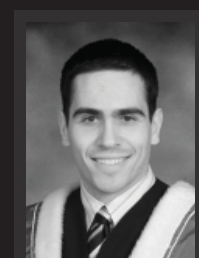
Swapnil Patel



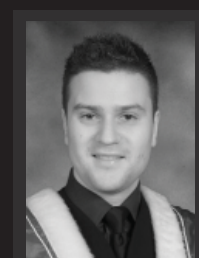
Alexander Pazonis



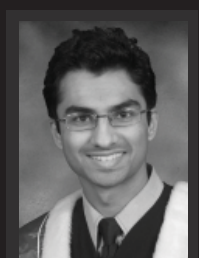
Xuan Pham



Marc Pilon



Chris Siemieniuch



Mayank Singh



Aathif Singhawansa



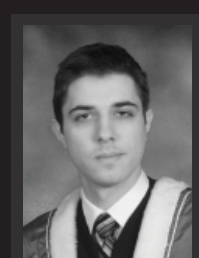
Sohail Wajahat



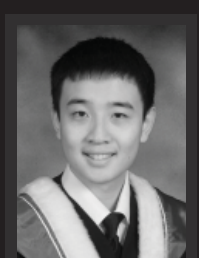
Aravindh Subramani



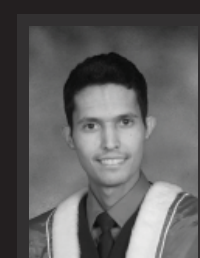
Kesavan Sundaralingam



Mark Prelich



Guangshu Qi



Poya Rahmati



Sathyam Rajanah



Jaiganesh Rajasekharan



Karthik Ramakrishnan



Navdeep Swach



Bahareh Taghvaei



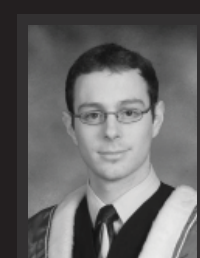
Lei Yin To



Ellen Turner



Milos Uskokovic



Daniel Veneziano

# Mechanical Engineering Graduating Class of 2011



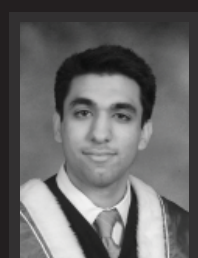
Edward Ringis



Animesh Roy



Mohammad Saad Khan



Satyam Sahi



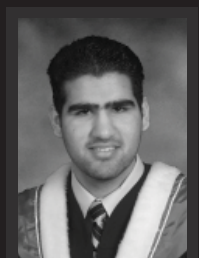
Arsalan Samdani



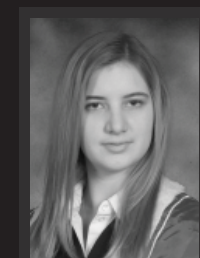
Jayan Sanmugalingham



Wei Wang



Ebraheem Waraich



Anastasia Wickeler



Andrew Wong-Lan-Tseung



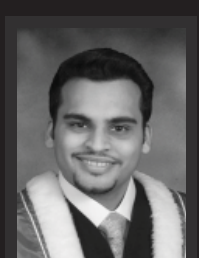
Ping Kei Yan



Cunwei Ye



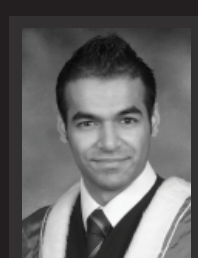
Pouya Sayyedi



Pulkit Shah



Salil Shah



Satwick Sharma



Yatu Shi



Terence Shiau



Lunwu Yuan

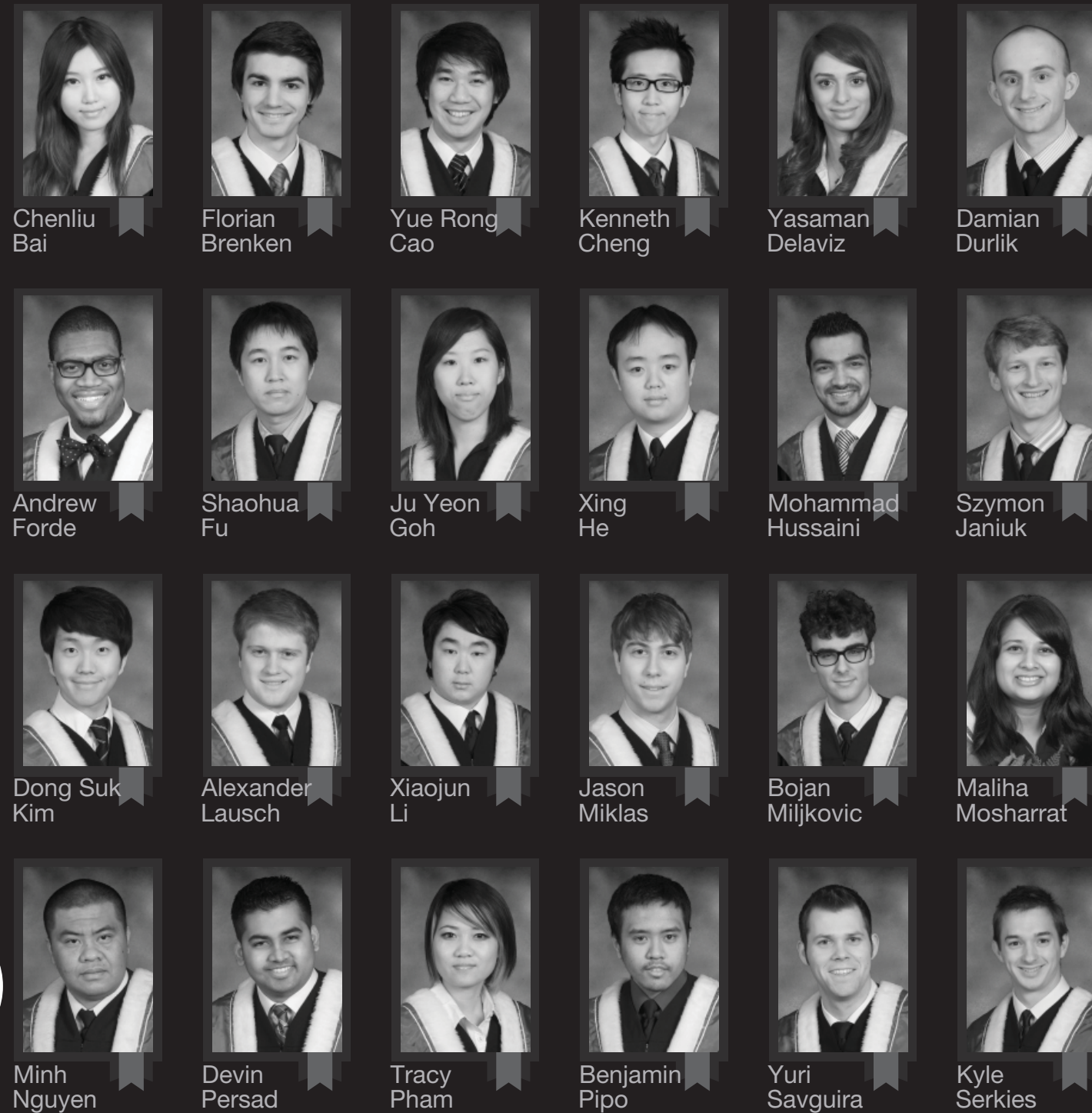


Yitao Zhang



Ray Zhao





## Materials Engineering Graduating Class of 2011



## Materials Engineering Graduating Class of 2011



# Grad Comments



Abu Zahra, Saadedeen -  
INDY 1T1 OR

Moment: Team SLR  
Job: The Boss

Comment: BBC out to get you, King strip, Chestnut, Bay Street living, gash getting, 4406, Sari, KD, PB, Mickey, Mr. Polski, Raaaaaaamzii, Turki. 5 wild years!! I lie ??



Ahmed, Azhar - MEC 1T0+PEY

Moment: Ontario Engineering Competition  
Award Ceremony

Comment: There are millions out there

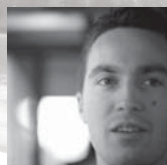
who are probably more deserving than us to get educated in a prestigious school like UofT. The iron ring should thus remind us to be humble and thankful, rather than it filling us with pride and arrogance because "arrogance and pride are pure ignorance," Habib Ali Jifri. I could not have pulled myself through these four years without the love and support of my parents. I am thankful to all the professors, in particular Prof. Cleghorn and Prof. Wallace. Also a special thanks to the UofT's caretaking department.



Allalou, Abderahmane -  
ESC 1T0+PEY Software

Moment: Too many to recount  
Job: CEO of Allalou Enterprise

Comment: I would like to first and foremost thank the Lord and my family as well as my friends. The 4+ years have been full of memorable moments. From the dreadful 7:30AM trips on the TTC in the dead of winter to the many friends I have made in the EngSci lab, it has been quite a ride. Now it is time to move on for us engineers to serve humanity.



Antcliffe, Blair - MEC 1T0+PEY  
Sustainable Energy



Arya, Manan - ESC 1T1 Aero

Moment: Writing 6 exams in 7 days.

Comment: Now is the winter of our undergrad  
Made glorious summer by this end of term;  
And all the exams that lour'd upon our year

In the deep recesses of our minds buried.  
Now are our fingers wreathed with cold iron;  
Our bruised pens hung up for monuments;  
Our stern meetings chang'd to merry parties,  
Our sleepless nights to delightful slumbers.  
Grim-visag'd EngScis have smooth'd their wrinkled fronts;  
And now - instead of solving stern problem sets  
That wracked the souls of fearful students,  
They caper nimbly outside the lecture halls.



Azavedo, Clinton - ELE 1T0+PEY  
Energy/Communications&Control

Moment: Climbing to the top of MP my  
first week of engineering.

Job: Designer

Comment: As engineers it is our duty to make this earth better to live on. Be it the smallest improvement or greatest invention, we aim to enrich our lives as well as humanity's. This is the one thing that has made the last 4 years of work worth it. No matter what, I know I'm an engineer and I will always have a noble goal.



Ba, Phoenix Qing - MEC 1T1  
Solids+Energy

Moment: accepting THE ring

Comment: -Moments with joy: Getting  
perfect on Midterms; Winning 3rd year CAD  
competition; Making Skule Arts Festival happen; Standing  
on the stage to perform songs

-Moments with tears: Hearing the fire alarm ring during  
the final exam of C programming; Meshing the structure in  
ANSYS; Facing the Kinematics final exam paper; Confusing  
about why the mechanical design report was so bad...  
-Record of non-sleeping & non-eating: 36 hours & 19  
hours

-Accomplishments: GE scholar leader; L.A.Hamann  
Memorial Award; MIE scholar leader; Dean's Honor  
-Favorite Courses: Statics; Dynamics; Solids; Fluid \_\_\_\_  
-Best Friends: S.Lai, T.Huang, J.Zhang, D.Yuan  
-Someone Special: H.C.Lee



Badr, Mario - COMP 1T0  
Computer Architecture

Moment: Realizing that I get to take Arts  
courses in 3rd and 4th year  
Job: Professor/Teacher

Comment: Getting through engineering, much like getting  
through life, is more about perseverance than intelligence.

Bassi, Dhruv - COMP 1T0+PEY

Job: Professional Consultant



Bhatti, Waqass - MEC 1T1

Moment: Living with Azhar, Wajahat,  
Farukh, Nav :) The 204 Mccaul Crew""

Comment: I would like to thank my  
parents, family and friends for all of their  
support and encouragement. I have seen the outcome of  
hard work and dedication; together we have overcome  
great challenges and are on the path of success and  
righteousness. I encourage my fellow classmates to  
believe in yourselves, to achieve, to pursue your dreams,  
and to live a more prosperous lifestyle. Luck is when  
preparation meets opportunity. I wish you all, "Good Luck!"  
"It is indeed ironic that we spend our school  
days yearning to graduate and our remaining  
days waxing nostalgic about our school days."



Bose, Natasha - ELE 1T0+PEY

Comment: 'If opportunity doesn't knock,  
build a door'



Brinias, Jonathan - CIV 1T1  
Amateur Artist and Explorer  
Extraordinaire

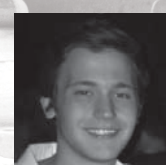
Job: Supreme Allied Commander

Comment: As I always say: you win a  
dangy, you lose a dangy.



Castellino, Richard -  
ELE 1T0+PEY

Comment: ^\_^



Cerit, Ali Galip - MEC 1T1



Chakraborty, Saptarshi -  
MECH 1T1 Solid Mechanics/  
Machine design and Energy /  
Environment

Moment: When I discovered an Indian open  
buffet restaurant in Mississauga, which for a foodie like me  
was getting the key to the Pandora's box of deliciousness !!!

Job: Engineer of Hilarious proportions

Comment: A very warm Hello! I've had a roller coaster  
ride worth of life experience here at U of T. The countless  
all nighters spent studying for exams were really grueling  
times. I'd like to thank all my buddies namely Eugene,  
Karthik, Navdeep, Fadi and all those I got to see over the  
last few years. But more importantly, All Hail Youtube!  
Had it not been for this glorious, ever so wonderful  
website I don't know how I'd be able to pull through. I'm  
looking forward to using my creativity, to do something  
productive with a degree in mechanical engineering.



Chiu, Jason - COMP 1T0+PEY  
Gaming

Moment: Gurren Lagann episode 25 near  
the end  
Job: Gundam Pilot

Comment: It's been an interesting five years living the  
university life, probably the slackest time I'll ever have... Met  
some interesting people, made some good friends, played  
some fun games and watched \*\*\*\*loads of anime. Thanks to  
everyone that made these past five years interesting, hope  
to see you all again someday out in the world. Until next time.



Chopra, Dolly - COMP 1T1

Moment: Getting accepted at UofT on my  
birthday!

Comment: My acceptance at UofT was like  
a dream come true. Being an international

student, I was both excited and nervous to come here.  
Being a part of UofT, I have made sure that when my life  
flashes before my eyes in the years to come, I've got plenty  
to watch: spending countless number of hours in labs  
and libraries, hanging out with friends, and writing those  
frightening tests and exams! This graduation period is not  
just a time of completion, of finishing, of an ending but it is also  
a time of celebration of achievement and a new beginning :)



Chui, Carmen - INDY 1T1  
Information Systems

Comment: Thanks to all my friends and  
family for four great years at U of T! Now  
it's time for us to part our different ways,  
but 'wherever you go, go with all your heart.' (Confucius)  
Keep in touch!





Cooperman, Daniel -  
COMP 0T9+1+PEY  
Software Engineering

Moment: 2005 ECE Dinner Dance  
Job: Next Mark Zuckerberg

Comment: (w)E(will)RTW

Daginis, Katerina- CHE 1T1

Moment: Being part of Skule Nite / Getting EAA money /  
Finishing Plant Design

Comment: Four years have gone by, and guess what?!  
We made it!

To my Chems, thank you for reminding me to come to  
class, and always cheering me up when I needed it most.  
To all my Skule friends, after countless hours in the atrium,  
talking, laughing, drinking, ranting, trolling, painting and  
rappelling, thank you for the good times.



D'Cunha, Keane -  
COMP 1T0+PEY Software

Moment: Finally getting the Iron Ring  
Job: Software developer/consultant

Comment: A little blurb can't possibly  
sum up everything, so I'll just say this: To all of my  
friends who have taken this engineering journey with  
me for past 4 yrs, I'd like to thank you for making  
my time spent at U of T something I'll never forget.  
I leave you all with the following quote by a friend of mine:  
'How do you know you know, you know? I think so though.'



Du, Kendrick - COMP 1T0+PEY  
Hardware/Software

Moment: Going to California for PEY

Comment: Four years of Engineering  
wasn't easy, but they're done and over with.  
I've met so many people in class/campus/  
UTFOCUS, sharing countless memories with them that I  
will never forget. I was also lucky enough to go to California  
for PEY, which was the best moment of my undergraduate  
studies at UT. All in all, these last few years have been amazing  
and irreplaceable, and I will remember every moment of it.



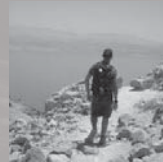
Elahi, Ataa - MEC 1T1  
Manufacturing

Comment: I spent four eventful and challenging  
years of my life at U of T. For me it was a life  
altering experience, which I believe has  
transformed me into a well-rounded individual. Playing  
for U of T's cricket team, squash team and wining a  
couple of table tennis tournaments are a few highlights of  
my experience at U of T. Since, the engineering studies  
are challenging at U of T, it got the best out of me and  
has geared me for many challenges to come. Hence,  
I am proud to be a part of such a dynamic institution.

Finlay, Tamara Jean - ESC 1T1 Aerospace

Moment: Every day, starting with getting my very own  
hard hat in Frosh Week 0T6 :P

Job: something with the word "engineer" in it



Fisher, David - CIV 1T0+PEY

Moment: Survey camp

Comment: 'We pass this way but once'  
- Some graffiti I once saw



Forde, Andrew Nathaniel - MSE  
Nano

Moment: When my eyes open to start each  
day

Job: President & Father

Comment: Through God, all things can be achieved, the  
impossibility of any given situation or idea, is the very  
proof that it is indeed possible. I am the master of my  
destiny, the captain of my soul. There are no such things  
as self-made men. We all come from somewhere, we all  
have a story. I thank my mother and father, for all their  
love and sacrifice on my behalf, my sister for her love and  
support and for my ancestors, who have made it possible  
for me to be here. My Grand Unified Theory, my story has  
begun.

Furman, Vitali - MEC 1T0+PEY  
Solids & Mechatronics

Moment: First year Calc exam ; )

Job: CEO of \_\_\_\_\_

Comment: It was fun while it lasted, now comes the real  
world!



Gandhi, Shubham -  
COMP 1T0+PEY

Moment: Dying myself purple in Frosh  
week...

Comment: Attending UofT was a very  
different experience for me, specially being an international  
student! It had both its ups and lows, but overall I am  
proud to graduate from this institution, after writing exams  
without studying crap, spending all-nighters for labs and  
tests, waiting for ROSI to load so that we can view our  
course grades, and feeling happy to see them bumped  
up! Met a couple of good friends, and discovered some  
life-long memories! Graduation to me is just a concept;  
acknowledging that one graduates every day is the key to  
a successful life!



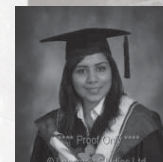
Ghouri, Farrukh - MEC 1T0+PEY  
Energy and Solid Mechanics

Moment: Iron ring on my finger

Job: Mechanical Engineer

Comment: An enriching experience, which

can be expressed by a simple mathematical equation:  
Four years of Engineering = Hope of graduating one day  
+ Sleep deprivation + Excitement of learning + Infinite  
anticipation of results + Joy of making good friends + Loss of  
social life + Responsibility that comes with iron ring + Success.  
The only philosophical statement I learnt at University of  
Toronto is "A statement without numbers is mere philosophy."  
I am grateful to all the motivating faculty members,  
especially to Professor Cleghorn, for providing  
guidance for all these important years of my life.



Grewal, Amreen Kaur -  
ELE 1T0+PEY

Comment: I will like to thank my family for  
their unconditional love and support over the  
years. Also a special thanks to Z and R for

always being there through thick and thin. At last good  
luck to everyone, hope to see you in the years to come and  
wish you all a successful and satisfying journey through life.



Grujic, Branislav - COMP 1T0

Moment: Seeing all the hard work pay off  
and moving to California for PEY :)

Job: 3D/Animation Software Engineer

Comment: Four+1 years have come and  
gone yet there is still so much to explore & learn! Engineering  
has been an awesome experience, something that not  
everyone has a chance to experience and something that  
I will never forget. In the end though, the best thing about  
engineering was meeting and becoming friends with some  
of the coolest & smartest people in the world! Thanks to  
everyone who helped me out whenever I needed help!  
Also, I would like to thank my family & friends  
for helping me get through university! R.I.P Dad  
Good Luck To Everyone At Whatever They Decide To  
Pursue! PEACE

Gu, Yutong - MEC 1T1  
Bioengineering & Energy

Moment: First day of university

Job: Hedge Fund Manager

Comment: The four years at UofT is the first time I lived  
alone. Engineering is hard and I learned a lot. I also made  
a lot of friends. World Peace

Heeney, Alexandra - ESC 1T0  
Manufacturing Systems

Job: Professor of sustainable design

Comment: My EngSci experience can probably be summed  
up as Praxis, Praxis, Praxis, and more Praxis, with jazz  
and film fests (TIFF!) and press accreditation with blogUT  
on the side. It's been great fun and a great challenge to  
infuse Praxis with sustainable design and to visit Austria  
and the Netherlands to tell the world about it. To anyone  
that has worked very late hours with me on group projects:  
it's been a sleep-deprived blast. And if you've sat through  
a three-hour long boring foreign film with me, well, I'm  
amazed and ever grateful we're still friends.

Ho, Alex - MEC 1T0+PEY

Moment: Watching Mo Pete's Buzzard-Beater at Robart's,  
Ducking under the desk when the lights went out at  
Robarts, Throwing a carton of milk at Ujay



Ho, Thi Thanh Thao -  
CHE 1T0+PEY

Comment: CHEM rocks !!!



Hoffer, Roland -  
MEC 1T0+PEY Biomedical

Moment: Too many great things stand out  
to list only one

Comment: To my peers and colleagues, the  
faculty and administration, my friends, and especially my  
family: These last five years have been pretty intense, and  
the experience was sweet because of you. I don't know how  
I would have made it as far as wearing an iron ring if I didn't  
have a steady dose of your inspiration, wisdom, humour,  
and support. Admittedly, seeing my upper year friends rip  
BEvERage bottles open with their iron rings was part of the  
inspiration. Congratulations to us on conquering this epic  
challenge, and may we be blessed with joy and health for life.



Hommik, Julie Elizabeth -  
MEC 1T0+PEY

Comment: A completely unexpected and  
unforgettable five years made all the more  
enjoyable through: Mech Club, Varsity Figure  
Skating, and Skule Sisters & MIE Mentor. To my friends,  
professors, and family - many thanks.  
Smile - it's good for you.

Hsu, Wei Hsiang - ELEC 1T0 Electronics

Job: President

Comment: Speechlessness



Huang, Curtis Su-Tsun - ESC 1T0+PEY Comp  
 Moment: Probably too many to count.  
 Job: Software Engineer  
 Comment: 'Anything in life worth having is worth working for.' - Andrew Carnegie

Hussaini, Mohammad Mutahar - MSE 1T1 Materials Processing & Manufacturing  
 Moment: FeO on my pinkie finger  
 Job: Metallurgist

Comment: Purely from the context of life-changing experiences I had at UofT, the educational skills combined with cultural experience gained, I am grateful to UofT for endowing me with the gifts of personal growth and serving as a pedestal for my career in Engineering. It is that sense of challenge and self-confidence that I have gained, which I enjoyed most about UofT. I have had the opportunity to work closely with motivated and intelligent students. In addition, the MSE department is truly outstanding. The faculty members are experts in their field, whose dedication to providing quality education sets them apart.

Ip, Tze Yan Jane - INDY 1T0+PEY Information Systems  
 Job: Innovator/Friend/Wifey  
 Comment: It's been a pleasure getting to know many thoughtful and inspiring individuals.  
 Keep smiling, stay beautiful, do something amazing :)

Ji, Wenxuan - CIV 1T1  
 Moment: Being alive  
 Job: Environmental engineer  
 Comment: Z beuteas yesterdy iz phadin awei liek a blushd twilite. Zo nohtin can brign bak z ours of sweit chresured past, I will greev not, butt rather fnid splendr in z memarys.  
 Gud luk to all!

Kaddoura, Saeed - CHE 1T1 Sustainable Energy  
 Moment: Picking one favourite moment will do an injustice to all the other great ones.  
 Job: Sustainable Energy Systems Design Engineer  
 Comment: My time at UofT Engineering has been without a doubt the best time of my life. Through Skule I have met great people, made best best friends, and grew into a person I never imagined I could have ever been. Just as we have stood together in the last four years, I hope that we will stand by each other for many years to come.

Kang, Yiyang - CHE 1T1  
 Comment: Finally!! Thanks for everyone who helped me, and shared all my happiness and soreness during the four years. Best wishes. XOXO.

Kao, Chung-Wei - MEC 1T1 Solid Mechanics and Mechatronics  
 Moment: When receiving my Iron Ring  
 Job: Financial engineer

Comment: Thanks to Mom&Dad, for your invaluable care&love; without your support, I wouldn't have been able to march this far. Thanks to all my lovely friz, for not making me lonely when living alone in a big city without any relatives. Thanks to Prof.Naguib and other profs who packed me with knowledge & maturity. Finally, thanks to my karate instructor Shihan and Sensei Daniel, for having coached&inspired me to keep doing&learning my favorite sport regardless of the crazy academic workload. Time to loose the UofT tensile force; however, all the stain-hardened bittersweet memories will remain in shape for good. :D

Karim, Jehan Zaib - ELE 1T0+PEY  
 Moment: Going to California for PEY  
 Job: CEO  
 Comment: It's been an experience! Thanks to the resistors (Profs) the capacitors and inductors (friends and TAs). This would not have been possible without my family and Sara S. Thanks for motivating me to success. Go make the future!

Kierans, Catherine - COMP 1T0+1  
 Moment: Seeing the sun rise with friends after a long night working.  
 Comment: Hey Skule - it's been a wild ride. I really appreciated the following advice during my years: no matter how bad things get, or how many times your coursework says "resistance is futile"... NEVER GIVE UP, NEVER SURRENDER! Follow your blisters, and you'll find your bliss. Stores and ECE Club had their own special place in the work/sleep/play trifecta (not that I've had much sleep), and I hope that when I leave Skule is better than when I arrived. Looking at my iron ring right now, it's no longer just a light at the end of a tunnel, it's a reminder that I'm now ready to set off and leave my mark on the world.

Kronfli, Rosanna- CHE 1T1  
 Comment: Congratulations graduates! I hope that our paths will cross soon and often. I'd like to thank my wonderful parents and sister for their constant love and support, and my friends for all the laughs and memories. Best of luck!

Lau, Calvin - ESC 1T1 Biomed  
 Moment: tbd  
 Comment: it was an interesting 4 years

Leibrecht, Phillip Mathias Kuprath - CHE 1T1 Sustainable Energy  
 Moment: finishing plant design  
 Job: Brewmaster  
 Comment: 'You miss 100% of the shots you don't take'  
 - Wayne Gretzky'  
 - Michael Scott'  
 - Phillip Leibrecht'

Lin, Thomas Ken-Hsing - COMP 1T0+PEY Software & Computer Networks  
 Moment: Finally getting the damn 1-way wireless communication system to work back in ECE298.  
 Job: Jack Of All Trades

Comment: Wow, where did the past 5 years go? Thinking back to Frosh week, I had so much hope, aspirations, and dreams, with an inflated ego and pride about being an Engineer. Okay, so while engineering isn't exactly what I thought it was going to be, I can still confidently say that I thoroughly appreciate all the knowledge I have gained, and I'm sincerely proud of all the experiences I went through. I'm happy to have met all the amazing people in my time here, and I wish everyone in the class of 1T0 (+PEY) the best in their future pursuits!

Lui, Chang - ESC 1T0+PEY Comp  
 Job: Computer Engineer  
 Comment: "The obvious mathematical breakthrough would be development of an easy way to factor large prime numbers"  
 -Bill Gates

Liu, Lingzhi (Emily) - CHE 1T1 Bioengineering  
 Comment: Four years here seem to have passed by so quickly. There have been a lot of ups and downs during my time here, but I have enjoyed it and wouldn't replace it for the world. We'll see how the future goes. Good luck to all!

Ma, Wilson - MEC 1T0+PEY Solids and Energy  
 Moment: Every semester when final exams are done!  
 Comment: Done!  
 :)

Man, Yufei - MEC 1T0+PEY Bioengineering  
 Moment: When the prof says: "you're not expected to know this for the exam"  
 Comment: who has the time to come up with a comment?? shouldn't you be working on your thesis??

Myslyvchuk, Taras - CIV 1T1  
 Comment: A message to myself: Rise above yourself, challenge your strengths and eliminate your weaknesses, find and conquer the opportunities, learn from your failures and celebrate them as if they are your victories, never stay stagnant, constantly evolve, always be grateful for the people around you, and never, ever, think you can't or its too late.

Nabavi Niaki, Mortah - CHE 1T0+PEY Bioengineering  
 Comment: My 4 years of chemical engineering studies at U of T has helped me develop the skills of multitasking, leadership and working effectively in a group. Undertaking PEY for a year gave me the opportunity to apply my acquired knowledge to real life problems and become more aware of responsibilities in required for a corporate setting job. Now its time to adjourn take my skills and further develop them and hopefully have the opportunity to give back to the society. I want to especially thank my family for supporting me all the way and a special thank you to Mercedeh for always being around and making this journey bearable :) My advice to 1st, 2nd and 3rd years is that hang on there, its tough and sometimes you just want to give up, but be strong and don't forget to enjoy the journey because it will be over before you know it !!!

Nagpal, Jatin - ELE 1T0+PEY

Nasim, Nihad - COMP 1T0+PEY Software/Electronics  
 Moment: Making things happen.  
 Job: CEO  
 Comment: Humans try to give structure to an unstructured world. We surround ourselves with regular shapes although the world is irregular. We strive for certainty over probability. Engineering has shown that it works well within upper and lower bounds. Therefore, we should not forget the crazy world we live in. So, is it that hard for an engineer to believe in God?





Nguyen, Linh Giang -  
CIV 1T0+PEY

Comment: Thank you UofT! I'm ready to face anything now!

Noorali, Asif - COMP 1T0+PEY  
Software Engineering

Job: Software Engineer / Software Architect



Nsouli, Mohamad -  
MEC 1T0+PEY  
Mechatronics, Energy and  
Environment



Oppedisano, Vincenzo -  
ELE 1T0+PEY

Moment: Climbing on top of the PF Chang's horse in Vegas!

Comment: It's been an awesome four years.

Met plenty of great people, and had tons of good times. To all the people who were there, from great laughs in BA1000, and climbing marble horses in Vegas, to glade runs at Tremblant, and 3:30 coffee breaks, it's been awesome! Hope you guys all have a good one. Just remember, 'If you don't know it by now, it ain't worth knowing' Peace

Pang, Leung Ting Timothy - MEC 1T0  
Energy and Environment/Solid Mechanics

Comment: I've always said that engineering is like a love-hate relationship. There are moments that make you want to yell out a string of obscenities or make you want to just quit and get out. Other times, you know you've made the right decision, chose the right program. If I could go back in time, I think I'll make the same choice, and hate it all, love it all over again.

Park, Regina - MEC 1T0+PEY  
Bioengineering & Mechatronics

Job: happy engineer or else

Comment: Thanks for all of memories! U of T.



Park, Christopher -  
ESC 1T0+PEY Biomed

Moment: Unlimited Sushiworks

Job: Stem Cell Engineer

Comment: 5 years of academic phantasmagoria grew to its end as cocoon shell cracks its way to a revealing light. This is our moment of metamorphosis. So let's be of good cheer with a hearty beer!



Patterson, Troy -  
COMP 1T0+PEY

Moment: Receiving my Iron Ring!!

Job: Systems Engineer

Comment: These years have been filled with joy, pain, triumph and success. I've learned and grown much more than I could have ever imagined. As I finally approach the finish line, I fondly look back and smile at my journey. There were long and endless nights agonizing over assignments, labs, and tests as well as awesome events that filled me with school pride! I've made some amazing life long friends and formed awesome relationships with the faculty. This moment is another step towards my ultimate destiny and I will strive to succeed professionally and positively impact my community.

Pinto, Stephen Chetan -  
CHE 1T0+1 Sustainable Energy

Moment: Thursday, December 2 - Qatar wins 2022 World Cup bid...and end of Plant Design!

Comment: Oh boyyy...not sure where to start. But thank you Jesus for getting me through! Lots of foosball memories, chair-racing in Wallberg, sippin some BEvERages at various locations across campus, all-nighters for plant design (first place baby!), BYOB, Chem Club, LOT Good times, with good people.

Qu, Xulong - ESC 1T0 ECE

Moment: Graduating from EngSci

Job: whatever life has in store for me

Comment: Can't believe the EngSci journey's finally over. I thank all my fellow EngScis, and the faculty for making these years worthwhile. Cheers and best of luck in the future to everyone!



Rahmati, Poya - MEC 1T0+PEY  
Biomech

Moment: Finding out about a quiz an hour before the class. Actually that happened 5 times

Job: Prosthetic Design

Comment: Finally it's over! I can feel the smell of freedom. It's gonna be LEGEN... wait for it--and I hope you're not lactose-intolerant 'cause the second half of that word is... DARY!!

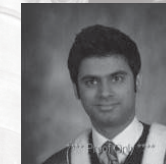
Crap, now I gotta start looking for a job... maybe I'll just take some courses at York to be eligible for handicap benefits

Raimondo, Alessandro - CIV 1T1

Moment: Every moment at Survey Camp in Third Year.

Comment: I chose not to leave a comment in my highschool yearbook in my graduating year, but now I regret it, for this comment box leaves a spot for you in school history. It's here for us to retell a story, wish friends a farewell, or just to reflect. Here's my reflection:

Having had so many doubts over the past four years, I truly am surprised that I will be graduating this June. However, my loving family and friends have supported me in every and any way to make this possible, and for that I say thank you from the bottom of my heart.



Rashid, Fahad - ELE 1T0  
Energy Systems

Moment: Iron Ring Ceremony

Job: Technology Consultant

Comment: U of T I'll be back!!!!!!

Rebelo, Jonathan - CIV 1T1  
Construction/Building Science

Moment: Everytime I'm with my Friends

Job: Field Engineer/Project Manager

Comment: Started off as an MSE...Ended up as a CIV. During which there have been from Hart House Farming, Survey Camping, Snowboarding Reading Week Trips, good times at 80 Baldwin traveling to Edmonton/Calgary/Hamilton for Concrete Toboggan. Having the occasional drink at Molly Blooms, Suds, Steins, O'Grady, and eating Village Idiot Fries at VIPs. Kom Jug Yuen and their BBQ Pork have become a staple. All you can eat sushi and KBBQ was always a challenge. How can I leave out the Civ Computer Lab; my second home. I spent countless nights in that lab/school and am going to miss it.

Rodriguez, Andres- COMP 1T1

Comment: gg'; DROP TABLE comments;--

Rofaiel, Andrew - ESC 1T0+PEY  
Energy Systems

Job: Nuclear Engineer



Rosselet, Andrew - ELE 0T9+PEY  
Embedded Systems

Moment: Right now

Job: Guru

Comment: ...You have brains in your head.

You have feet in your shoes. You can steer yourself any direction you choose. You're on your own. And you know what you know. And YOU are the one who'll decide where to go...Oh, the places you'll go!

- Dr. Seuss

Some people see the glass half full. Others see it half empty. I see a glass that's twice as big as it needs to be.

— George Carlin



Saigol, Hamza -  
ELE 1T0+PEY

Jack of all trades master of none.

Moment: PEY job offer from AMD

Job: Director, Program Management &

Systems Engineering at AMD

Comment: I still don't know how to find the dominating pole. My good friend JACK tells me it's up his backside. Go UofT!

Jokes aside it was an amazing experience and I made some amazing friends along the way. I'm not sad at all about leaving this place I'm actually happy.

I wish everyone all the best in their future endeavors.



Sammut, Raphael -  
ESC 1T0+PEY Infra

Moment: Winning 1st place at the Canadian Engineering Competitions!

Job: CEO

Comment: The many long nights, failures, hardships, and successes that I have experienced in my time at Skule have not only made me a better person, but have brought me closer to an amazing group of classmates. I will cherish the memories that I have from Skule for the rest of my life, and when we are all old and successful, we can look back upon our time here as one of the best times of our life.



San Luis, Rebecca Jill -  
COMP 1T0+PEY

Moment: All nighters programming and realizing that others are more screwed than you are.

Job: Chief Software Architect

Comment: Dear Skule,

Thanks for torturing me for the past 5 years. More importantly, thank you for giving me wisdom and friends I can keep for the rest of my life. I will never forget thee! As for me, I am out of here.



Shah, Salil - MEC 1T1

Moment: hahahahahaha

Job: Sir

Comment: hahahahahahahahahahaha...im not getting charged for this am i?





Shamsi, Muhammad Ashher -  
ELE 1T1  
Power and Control Systems

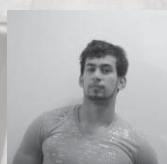
Moment: Lifting the Intramural Trophy  
Comment: Coming to U of T as an International Student has been an exceptional experience. It has been full of highs and lows but an amazing ride nonetheless. One of the proudest moments as an engineering student came when I lifted the intramural trophy representing our very own Skule Cricket Club. There was a point in time where I was regretting choosing Engineering as a major as coping with the workload and the demands of on the world's best intuitions was proving to be too much of an ask. But U of T taught me that only way to face opposition is to man up and face it head on. That is why I would like to thank U of T for giving me amazing friends, moments and mostly knowledge.



Sheikh, Muttee - ELE 1T0+PEY  
Electronics

Moment: Getting owned in exams, and then feeling happier afterwards when finding out that everyone else got owned as well!

Job: CEO  
Comment: Thanks to UofT for always pushing me in a corner and making me fight my way out as a stronger, wiser and more successful person. Thanks to my family for putting up with my insanity while in Skule. Special thanks to all my friends for the laughter, support and encouragement. Now, hide yo kids, hide yo wife and hide yo husbands..because I just became an Engineer!



Siddiqui, Haroon Muhammad -  
ELE 1T0+PEY

Moment: when i gifted saleem something wrapped in duct tape  
Job: Project Manager  
Comment: Practicality and innovation were the key. By second year, a student named IQQI was quoted using concepts of digital logic as follows:SSSSSH SSSSHHHH\*starting\*SSH HHH Window Open Air Come SSHSSH\*buffering\*Window Open-Air come, Window Close-Air NOT come. During this time, a great invention was made. Hassu the Machine-e-e, created to entertain MANY MEN.OF ECE with her famous catwalk. According to AHEM-AHEM-PEDIA it is AAAAAACCTUALLY a human with an overdose of chakkageere. In the memories of emm-emmm played by saleeeem the cream and his famous BA3 belt dance will be missed. Our Blessings:OYEE YAAR NAA YAAAR OOOTTHH TERE! SHOOT MAN NOWAYYY!



Siemieniuch, Christopher -  
MEC 1T0+PEY

Moment: Being a part of Skule  
Job: Entrepreneur  
Comment: It's amazing how quickly four years plus PEY have gone by - it has certainly been a most memorable experience. Thank you to my family, friends, professors and peers for the love and support they have provided. The memories we shared along the way were priceless - from the Mech Club to ski trips, intramural hockey, Skule Stage Band, FSAE, and anything & everything in between; thank you. I have forged some of my strongest friendships and connections simply by being a part of Skule. Wishing you all the best in the future! Please keep in touch.



Sikder, Sumit - ELE 0T9+PEY+1  
Power and Control Systems

Moment: When I got out of Engineering Science.  
Job: Mr. Know-All and Do-All  
Comment: It's been some exciting years so far. But I am there at last - - - the Iron Ring and then the graduation. Honestly it doesn't feel that different - - just another chapter of my life that's opening. Over the course of my time here I learned a lot from everyone and grew as a person. Thanks to all my friends, Professors and everyone else I worked with - - specially folks at the Engsoc. I leave with a sea of unused knowledge, some wisdom and one regret - - I just wish us Engineers, one of the most lucrative trade out there, was blessed with more ladies both qualitatively and quantitatively. Adios :)



Sin, Jeremy - CHE 1T1 Bioeng

Moment: Post Plant Design Celebration  
Job: Dr. J  
Comment: cramming at BA and robarts with darryl  
watching house with justin and jason  
countless lab sessions in WB and LM  
microsoft puzzle challenges  
skipping lectures for track meets  
all nighters at WB316  
....and there it is 4 years of engineering  
heartfelt thanks to all of you who made my experience wonderful

Singh, Hasmita -  
ESC 1T0+PEY Biomed

Moment: EngSci Dinner Dances!



Sohail, Wajahat - MEC 1T0+PEY

Moment: Seeing my proud parents at my graduation (yet to happen)  
Comment: I still remember my 19 year old self who was tremendously excited on getting his admission offer from UofT. Today, I can confidently say the excitement was worth it!  
Despite the prolonged periods of depression & non-ending sleepless nights, I have had an amazing run. My learning curve has been exponential (hopefully increasing :p) & I've enjoyed countless fun moments which I will cherish my entire life. Thank you UofT for all of this :) Lastly, I would thank my God, my family for their support & definitely my friends without whom these years won't be as fun filling & joyful!



Su, Steven - ELE 1T0+PEY  
Protoss

Moment: Winter/Summer Vacation  
Job: The Light of Dawn  
Comment: Well..that's that. Moving onto the next chapter of my life. Have fun at Skule, and keep it real. Here is a picture of my dog.



Tam, Andy (Ka Chung) -  
COMP 1T0+PEY Computer Stuff

Moment: Going on PEY  
Job: CEO of Intel & Apple  
Comment: It took 4 years of hell to get a 10 cents piece of iron on my finger and a paper with my name on it...but it is so worth it.



Tang, Tang - ESC 1T0+PEY Elec

Moment: (Reserved) Iron Ring Ceremony  
Comment: Well, not much to say other than 'Thank you all for the best 5 years of my life!'



Tili, Ilian - COMP 1T1  
Software Engineering

Comment: The last 4 years have been a long journey. It has been tiresome yet rewarding. Remember to make every day count as the journey is more important than the destination. Do not hesitate to explore, dream and discover.



Tsotsos, Konstantine Nicholas  
John - ESC1T1 ECE Robotics

Moment: Realizing 4 years of EngSci is worth it and first graduate school acceptance.  
Job: Faculty  
Comment: Never gonna give you up, Never gonna let you down, Never gonna run around and desert you. Never gonna make you cry, Never gonna say goodbye, Never gonna tell a lie and hurt you, EngSci.



Turner, Ellen Delaney -  
MEC 1T0+PEY

Comment: Well here we finally are at the end of an unforgettable 5 years...  
Thanks to everyone who has been right there with me through it all! Lots of love,  
xx Ellen



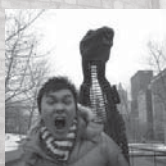
Vaez, Bijan - COMP 1T0+PEY  
Web and Mobile Technologies

Moment: Everyone spamming CCNET after any midterm!  
Job: Founder  
Comment: We've been through hell and back but remember that we've been pushed to limits unknown to others. Don't underestimate it and make the most of the opportunities that come your way. We have a unique ability to change the future, let's see where we can take it!



Weng, Yang - ELE 1T0+PEY  
Cram Before Exam

Moment: Chasing my pet chicken 2 am in the morning before it died.  
Job: Time Traveller  
Comment: I had a Chicken as a pet for about 8 months. It was the best pet I ever had. I play with it all the time. On Dec 28, it was killed. RIP  
-Sexy Dragon, aka Sexy China Man, aka Sexy Sexy, aka Sexy Beast From the East



Wong, Rankie Chun-Wang -  
ESC 1T1 Manufacturing Systems

Moment: Getting moved to a different common room every year  
Job: High-rolling Banker  
Comment: Ah EngSci.....you will certainly be one of 'those' experiences that I will never forget. Looking back, although these 4 years have been tough, I am glad, and proud, to say that I have been through it. Thank you to all of you who were a part of my life and helped me \*COUGHPROBLEMSETSCOUGH\* get through this endeavour ;) I truly hope that we keep in touch, no matter where we all venture off in our lives, and someday get together again and laugh together about the good(?) times. I also feel compelled to say that as the 'last of the last' in the Manufacturing Systems option, I deserve some extra recognition somewhere in this SkuleBook :P  
P.S. Hope my picture isn't too intimidating





Wu, Nicole Nan - ESC 1T0+PEY  
Energy Systems

Moment: My year in Spain during PEY  
Job: Project Manager  
Comment: Proud to be an EngSci! All the best to everyone.

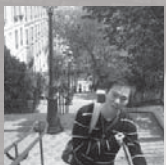


Zhang, Kevin - CIV 1T1

Moment: L/2 from the pinned end  
Job: Superhero  
Comment: 100 words isn't much space to say anything, so here goes. You there, what's your name, be a man; don't get between Bentz and his milk; remember to set your phone on pleasure; riding that curve; the comp lab is our second home; late night CS; unfinished ping pong tournaments; shallow water under the deck beware; falling out of it, falling into it; don't want to go; ukes in the sun; new leather; drop your pants; we are we are we are; jump up and down; and I'll always always always be a friend of graphics.

Wu, Emily Y. - ESC 1T0+PEY Comp

Moment: Iron Ring Ceremony  
Job: Software Development Engineer  
Comment: Live, love, and learn forever!



Yau, Chun Him (Darryl) -  
ESC 1T0+PEY  
Manufacturing Systems

Moment: Slumber parties at Robarts and Bahen computer labs.

Job: CEO  
Comment: Going through the Engineering Science program at UofT is like this picture. Climbing up a long flight of stairs on a hot summer morning. It was hard work. If there is one word I would use to describe EngSci, it would be 'torture'. But at the end of the day, when it is all said and done, you do feel a sense of accomplishment. IT does feel great that it is finally over. If someone was to ask me if I would do it again, I would say to them 'Hell f\*cking no!'. But having said that, I am glad that I did go through it. I can't explain it, but for all my colleagues who have been through this war with me, I am sure you know what I am talking about. I have to thank all of you too. Without you guys, and the support you have provided me over the years, I wouldn't have made it. Cheers.  
Best of luck to all of you in the next stages of your lives!  
LET's gettttt it!



Zhao, Zhiyu - CIV 1T1

Moment: Graduating!  
Comment: 'Tis naught but sheer effort that creates legends; 'tis naught but action that shapes worlds. 'Tis not simply words that command empires, but what those words bring; 'tis not simply people that form a nation, but what those people accomplish. Inaction is sin, and I am the sinner. Stay my path. What waits is a procrastinator's life story. Cleanse myself of this sin. What waits is not a life story, but a legacy.

Yung Hing Hin, Jean Bernard -  
ESC 1T0+PEY Comp

Job: Software Architect  
Comment: 5 years of undergrad studies... It definitely does not get easier, but it does get better. Ladies and gents, looking back on those years, yes the juice was worth the squeeze. Always keep the flag of UofT high people!

Zhang, Peter Yun - ESC 0T9+PEY+1  
Systems Eng

Moment: Bell curves



A black and white photograph of a modern, curved staircase. The staircase is viewed from above, showing its curved path and steps. The wall on the left is made of vertical metallic panels, and the railings are made of glass and metal. The word "ads" is overlaid in white text on the left side of the image.

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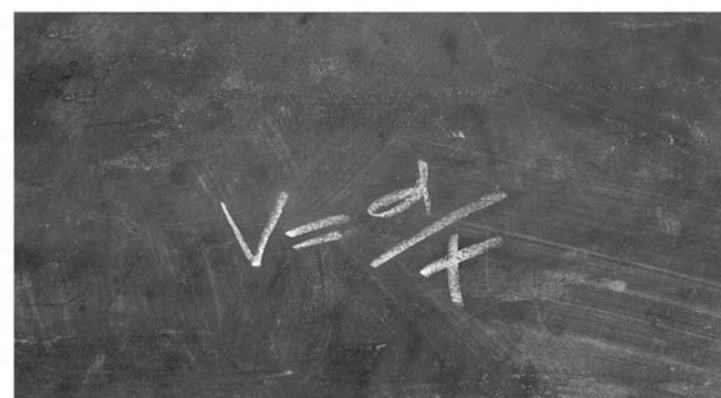
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Best wishes for continued success.

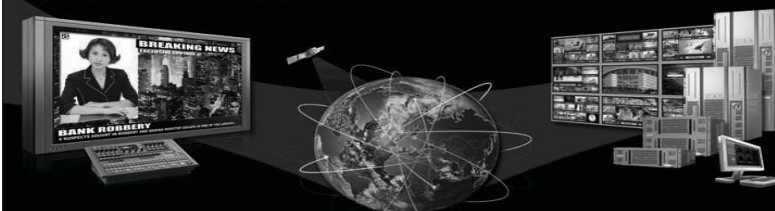
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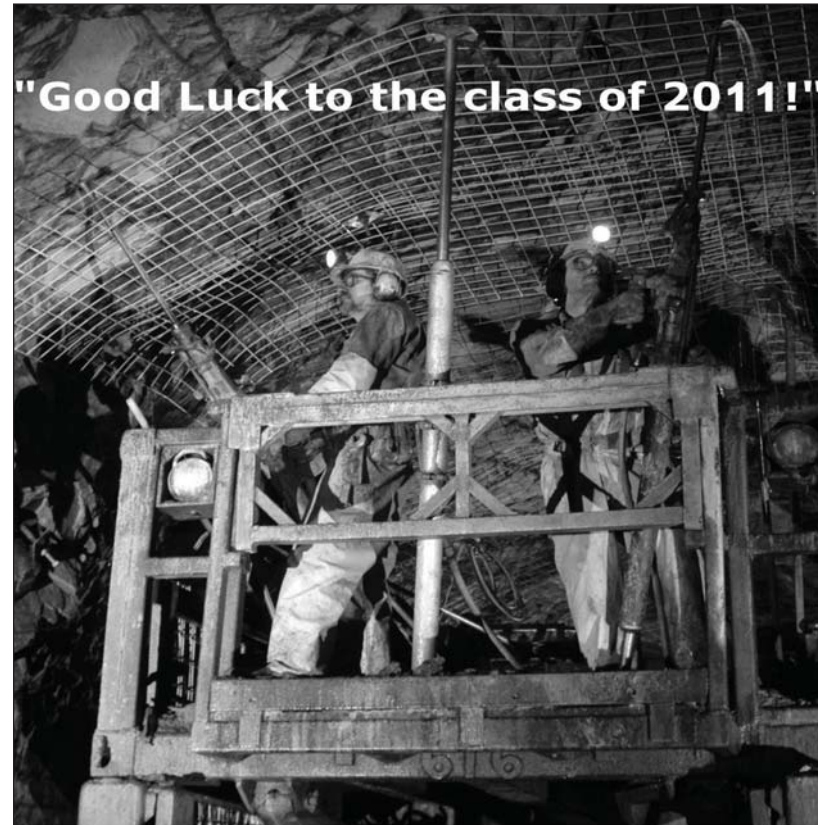
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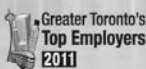
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