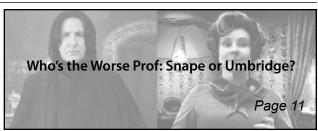
# EIRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

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# **TEDxUW 2017**

### A Series of Talks to Suit All Tastes



IW Road Trip!... to Hagey Hall, where TEDxUW 2017 was held on Oct. 28, 2017. From left to right: Ratan Varghese, Dalton Sweeney, Bryan Mailloux.

#### BRYAN MAILLOUX, DALTON SWEENEY, RATAN VARGHESE IW STAFF WRITERS

When everyone piled into the theatre at 9:45, the Co-Chairs Melissa Lee and Taruna Kaur had some short words about the conference. They then introduced the MC, Arda Ocal, who reappeared in between each talk and performance to provide puns, quips, an anecdote and a tip on how to properly give high-fives. There were also deliberate attempts at getting everyone to share photos on social media, which seemed cringey at first and downright strange after Truman Tang's talk about "The Dangers of Social Validation".

During breaks the delegates would hang around in the Hagey Hall cafeteria. Some of the performers would play here instead of having a slot on stage among the speakers. Each sponsor had a booth

explaining the work they were doing, in the hope of attracting customers and talent. Additionally there were some delicious snacks: the shawarma bowls and little brownies were quite a lot better than the catering at any employer info session.

#### RATAN

David Swart had a very cool, and very sweet, talk about the intersection of mathematics and art. It was, in short, about fun ways of projecting a three dimensional image onto a two dimensional surface. The most obvious starting point (after talking about the joys of eating and peeling oranges) was maps. Rather than simply gauge cartographic projections for their utility, he focused on how fun and interesting they looked. He even presented in detail some of the more "novelty" projections, such as the heart-shaped Werner projection (useful to

send an important message: "You mean the world to me."). Swart went on to show how panoramic photos could be presented on projections as well: in some cases the original photo ended up taking a backseat to the pinwheel clusters and exploding basketball shapes that they were being presented on.

The point of the talk was that mathematics did not always need to be viewed with "utilitarian goggles": it could also be a tool for creative beauty. There was not a sense of dire urgency and the only agenda to push was to enjoy oneself. Unfortunately it's a bit hard for my words to do this talk justice: you had to see it to believe it.

#### DALTON

Gah-Jone Won is an accomplished UW alumnus doing fascinating research in glaucoma, the leading cause for irreversible blindness. He received his PhD from Waterloo's School of Optometry and Vision Science and is now a post-doctoral research fellow at the Krembil Research Institute, Toronto Research Hospital. In 2016, he won the Three Minute Thesis competition at the national level, designed for graduate students across Canada to communicate the depth and significance of their research to a non-technical audience in under three minutes.

In his talk, Dr. Won informed the audience about glaucoma and some of the incredible things his team is doing to combat this disease. Glaucoma is a general term for a variety of diseases, all of which cause vision loss due to deterioration of the optic nerve. He pointed out that although elevated ocular pressure (high fluid pressure in the eye) is a major risk factor, some have high ocular pressure and never develop the disease, while others develop the disease under completely normal ocular pressure levels. Because of this, the causes and onset of glaucoma are kind of like a black box to

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### **TEDxUW TALKS**

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- Maysoon Zayid
   I got 99 Problems... Palsy is
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- Truman Tang
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- Katie Parkes
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   High-Pressure Situation: A
   Glaucoma Story
- Elora Hardy
   Magical Houses, Made of Bamboo
- Amr Abdelgawad
   The Future of Healthcare is Yesterday
- Hamid Tizhoosh
   Competition Destroys
   Education

# 513 Ways to Say Goodbye

We'll Miss You, Gord



DONOVAN MAUDSLEY 4A MECHANICAL

Gord Downie announced that he had terminal brain cancer on May 24th 2016, and passed away on October 18th 2017, 513 days later.

He knew from the start that he wasn't going to make it; he had glioblastoma, the most aggressive kind of cancer originating in the brain. Fewer than 3% of people with glioblastoma survive more than five years, with the average life expectancy being

about 14 months. Gord passed away in his home surrounded by those he loved, which is all that a person can really hope for in the end. Gord also knew that he had millions of people across the country thinking of him.

Downie grew up in and around Kingston, Ontario, playing hockey with his brothers and meeting the friends who would go on to become his Tragically Hip band mates. Downie was an avid hockey fan and player his whole life. During his first year of minor hockey he played defense, and his team had a great year but lost in their championship game. Gord thought that the goalie had let them down and told his brothers that next year he'd be

tending net, which they thought was all talk. Gord finished the next season with 17 shutouts and a championship trophy. Although he was a Canadian, Downie had a strong connection to the Boston Bruins; his godfather Harry Sinden was a long time member of the organization.

The same mentality that Gord brought to his minor hockey career was evident everywhere throughout his career. He recorded 14 studio albums with the Tragically Hip, 5 solo albums, and an album in collaboration with The Sadies. Along the way Gord's name became synonymous with Canadiana.

The Hip formed in 1984 and became a

force to be reckoned with in the Canadian music scene. In 1989 The Hip release *Up To Here*, their first full length record, and the single "New Orleans is Sinking" won them their first of 16 Juno Awards. The following year they won the Juno Award for Best New Group.

Up To Here features one of my favourite Tragically Hip songs, "Blow at High Dough". I think that my first real exposure to this song, and The Hip in general, came from the CBC sitcom *Made In Canada*, which used "Blow at High Dough" as its theme song.

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# **Letter from the Editor**

Why So S.A.D?



Hello lovely readers! I hope you are all through the worst of your midterms at this point and are managing to keep your head up above your projects and job hunting. Speaking of which, good luck with the ranking and matching process, especially if it's your first time! Keep reading for some quality content!

It's likely that as this term has worn slowly on you have noticed a trend with the sun. Namely that it has been getting up later and later (like me) and going to bed earlier and earlier (unlike me). This may seem unfair to you, especially because lately it seems like the sun is getting more sleep than my entire class put together, but then again my class is very small. However, it does mean that when I have to wake up every day for my 8:30am classes, it's pitch black outside. And even when I leave campus at a reasonable hour (before 8pm), I've got to have all the bike lights flashing and reflective arm bands because I'm convinced the drivers of Waterloo are actively trying to run me over and I need to be seen.

Why is the sun getting more sleep than it deserves? Well I have Bill Nye and my grade seven science teacher to thank for teaching me that the reason for this change in light-to-dark ratio is because of the Earth's tilt being at 23° or something. It's also a sure harbinger of Winter is Coming – in the mere weeks from now sense and not the five seasons from now sense

With Halloween behind us it's time to look forward to the next big event of the term: the end of Daylight Savings Time, or as I like to call it "Fall Backward". Yes, at long last we will gain back that hour of sleep so rudely taken from us in March, once again we will be able to go to sleep expecting another cold dark morning and wake up instead refreshed, not hung over, and with a glint of sunlight in our eyes because last night while you slept something that was wrong in the world was at last made right.

Sure, the benefits of DST ending are shortlived; soon you'll fall back (ahaha) into your bad sleeping habits and the sun will continue rising later and setting earlier until even that one blessed hour makes no difference. This is when it starts to feel like you go to class in the dark, experience an hour or two of sun in the middle of the day, have some more classes and emerge from campus to go home once again in darkness. You may start asking yourself the question "When did I move to Sweden?" A question exacerbated by everyone around you starting to wear their Canada Goose jackets despite the daily temperatures hovering around the 0°C mark. It's not cold enough for down, people, it's really not cold enough.

When I start feeling the effects of Constant Darkness, I'll occasionally put on Simon

and Garfunkel and huddle in a blanket on the floor, but more often I like to settle into a good book. What's on the menu? Anything Scandinavian. If there's one thing I've noticed about Scandinavian writing, it's that it's DARK. Dark in the "not a lot of light" sense but also dark in the "Wow, this is really really grim" sense. If you've ever been tempted to try one of those Northern countries in the winter, I suggest looking into some of the art because shit gets messed up.

Not to mention the number of alcoholics would put the engineering department to shame. (Not to joke about alcoholism though because that's a serious matter) But it truly seems that for these people the only light is at the bottom of the pint glass, and it makes for really good pre-winter reading. Crime novels in general go well with chilly weather I find, maybe because reading about gruesome things is more delicious when the wind is howling and rain is lashing and you're safe inside

Well then, what do I recommend and what do I mean by grim? We'll start with the book I'm currently reading (in snippets late at night before I hit the hay), The Ice Princess by Swedish author Camila Läckberg. The story centers around a biographer struggling with the recent death of her parents and trying to piece together the murder of her childhood bestfriend, found frozen in her bathtub. I enjoy that the style of writing follows multiple characters so you can really get into everyone's heads and try to guess at the murderer yourself. It's been giving me some weird dreams though, especially surrounding fishing for herring which is the mainstay of the town where the murder took place. I'm really enjoying procrastinating with it though and despite the gory details of the murder and the realistic descriptions of bad people in the book, it also has some beautiful passages describing the village of Fjällbacka in the winter. Camila has written tons of crime novels and I'm sure a quick search will help you find a story that interests you, so I'm more recommending the author here than this particular novel.

You may recognize Let the Right One In from the 2010 remake starring Chloe Grace Moretz and Richard Jenkins. If you've seen the movie you know it's about a child vampire. The book by the Swedish writer John Ajvide Lindqvist takes it to a new level of adult scary. There's no ghosts or ghouls or things that go bump in the night, but there is pedophilia, alcoholism, real-life zombies and the most disturbing cat scene I've ever read and hope never to read again. The story centres around Oskar and his burgeoning friendship with a little kid named Eli, his personal struggles with bullying, mysterious deaths in their small town, and some side characters with incredibly depressing lives. This book is addicting but extremely upsetting and not for the faint of heart. I also had weird dreams following this book and none of them involved happily skipping through the snow with my best friend the vampire.

I used to want to live way up north, in fact I still desperately want to work in the Yukon. Since childhood I've been obsessed by the northern lights and polar bears. When I was young I read a lot of kid's stories by Jan Brett about life in winter in Scandinavia that made it look like an exciting place full of trolls and friendly reindeer. A quick Google search has revealed to me that she is in fact American! It's all a lie, what does she know about the horrors of a "real" winter! I feel slightly betrayed at the thought that my childhood brain was being molded by fake news. On the topic of trolls, friendly reindeer and feeding children fake news, Frozen is doing exactly that! This generation isn't growing up with Jan's '90s stories about the Trouble With Trolls, but they are growing up with Olaf and that dude with the shaggy hair. I would not be surprised if in ten years another editor sits at this desk felling betrayed at the unrealistic portrayal of winter in the far north. You are cold Elsa! It's freezing outside, put your mittens back on!!

What if the cold Scandinavian winters don't float your boat and you're just looking for something gloomy? Something with some great pathetic fallacy to your own rainy November life? Well, I can recommend Gothic literature instead. Stuff like the Brontë sisters' work is dark and a little spooky and makes you really glad to be born 200 years after them. These gals lived in the wilds of the Northern England and I think we can infer from all the data that living in "Northern anything" is a cold, dark and thus often depressing place to live. The three sisters, all novelists, wrote in the "Romantic" style of the day which happened to be influenced by the many issues of the day topmost being death. So romantic.

The characters in their books are cruel, think only of themselves, follow their own whims, purposely deceive each other and die for terribly depressing reasons. It's exactly the sort of book that makes you wish you had a large fireplace, a mug of hot chocolate and a couple puppy dogs to keep you company while reading it.

In honour of Halloween my last book is Mary Shelley's famous novel Frankenstein, most well-known for its hundreds of Hollywood spin-offs. The book opens with a series of letters from a Captain Walton to his sister as he embarks on a journey to the North Pole. At the very beginning he writes from St. Petersburg in Russia speaking of the wind and icy cold air that blows from the direction in which he is headed and it only gets colder and snowier from there. In the snows of the Arctic they encounter a scientist named Victor Frankenstein who tells them his life story and his unconventional experiments which resulted in the "monster" pop culture has taken such a liking to. It's dark, it's grim, and it's not written by a Swedish person although it is set very far up north.

Happy procrastination by reading folks, I hope you stay warm and snug as winter closes its icy fist around us once again.

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The Iron Warrior encourages submissions from students, faculty and members of the university community. Submissions should reflect the concerns and intellectual standards of the university in general. The author's name and phone number should be included.

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### News 😘

# Another Day, Another ION Delay...

### ... And Some Comments About Bombardier



On Thursday, October 19th, track testing for the ION train was supposed to begin but was delayed due to missing paperwork. Bombardier, the Canadian aerospace and transportation company that built the ION trains, had failed to deliver paperwork to GrandLinq, the organization hired by Waterloo Region to build the new transport system.

This is just the most recent in a series of delays in the development of the ION rail system due to Bombardier's incompetence. The second ION train was due to arrive in Waterloo last June, but did not actually arrive until October.

The first ION train arrived in February for testing, but was subsequently delayed due to major flaws in the train's operating software. In other words, Bombardier delivered a dysfunctional vehicle.

Train delivery timelines were significantly delayed in 2016 due to production problems at Bombardier.

Waterloo Regional councilor Tom Galloway has said recently "We always have to be a little cautious [sic] about schedules coming from Bombardier because, of course, they are behind". Tom Galloway has phrased his concern a bit more politely than I would if I were him.

The ION rail system is just one example of how Bombardier is becoming increasingly unprofitable and uncompetitive.

It was reported this year that Bombardier would receive \$372.5 million in federal loans for its CSeries and Global 7000 aircraft, as well as \$1 billion in loans from the Quebec government. The aim of these loans is to help Bombardier turn itself around and get itself off shaky financial grounds

The former loan allowed Bombardier to sell its CSeries planes to U.S. customers for below market price, undercutting their American competitor, Boeing. Boeing filed a complaint with the U.S. commerce department and it was accepted, resulting

in a 300% tariff on the Bombardier CSeries planes. A trade battle between the two companies ensued, and it appears Boeing is coming out on top. In addition, some consider the future of Bombardier to be largely dependent on the success of its CSeries program. Not so good for Bombardier.

Bombardier also has a \$1 billion street car contract with the City of Toronto. By May, the City expected 121 streetcars but had only received 35. The 60th streetcar is expected to arrive this November.

The list of failed Bombardier contracts is extensive, and it seems no amount of taxpayer money will help. Maybe it's time to stop the bailouts and let the free market do its job.

# **One Hollywood Scandal After Another**

### Corey Feldman Threatens to Expose Pedophile Ring

#### **RYAN SAMLALSINGH**

2T COMPUTER

Long-time actor and singer Corey Feldman is finally prepared to expose a Hollywood pedophilia ring. "I can name 6 names, one of them who is still very powerful today", said Feldman, visibly troubled, in a recent YouTube video posted to his channel. The video highlights an Indiegogo campaign to produce a movie detailing the sexual abuse that Feldman endured as a child actor. "I'll make the film... and... guarantee that it gets a theatrical release... Additionally, it will help me buy the security and the legal team that I need to protect my family", said Feldman, outlining how the donations will be used. Feldman hopes the film will illuminate Hollywood pedophilia to prompt changes in the industry to better protect child actors.

The video comes after tweets Feldman made on October 19th, in which he claimed he would not name his abusers publicly out of fear for his family's safety. In a 2016 interview with The Hollywood Reporter, Feldman gave other rationale for not naming his abusers; "if [he] were to go and mention anybody's name [he] would be the one that would be in legal problems and [he's] the one that would be sued". If the crowdfunding campaign meets its lofty \$10M goal, these barriers preventing Feldman from ousting the pedophile ring publicly would be gone.

In the aftermath of the Harvey Weinstein scandal, many stars have gained the courage to expose sex abuse in Hollywood, and these outcomings likely encouraged Feldman to tweet. However, Feldman has been outspoken on the topic of pedophilia in Hollywood for years, even stating on an ABC interview in 2011 that "the number one problem in Hollywood was, is, and always will be pedophilia", and that he "was surrounded by [pedophiles] when [he] was 14 and [he] didn't even know it". In his 2013 memoir Coreyography, Feldman wrote that his buddy and fellow former child actor Corey Haim was raped by Hollywood elites. Perhaps most saddening, Feldman mentioned his abuse, and cautioned parents of childhood stars against being naïve regarding the safety of their children while on The View in 2013, annoying Barbara Walters who uncompassionately scolded Feldman. "You're damaging an entire industry!" said Walters, more concerned with maintaining the talent pool than the safety of children in the industry.

Judy Haim, Corey Haim's mother, is a notable critic of Feldman's plan, calling the campaign a distraction from Feldman's recent marijuana possession arrest. Feldman's publicist, Samantha Waranch, responded that the campaign aims to appease those asking Feldman to name his abusers, and that Feldman had demonstrated behavioural changes that indicate he believes in his plan.

Feldman would expose a Hollywood pedophile ring if he had the money to ensure the safety of his family, now that people are considering accusations against Hollywood elites more seriously, and there are fewer "Barbara Walters" types who want to ignore them. Feldman said it himself that the rampant pedophilia in Hollywood is "not fair and it must end", and it's hard to disagree.

# What's in a Future City?

### Toronto's New Development for an Innovative District



**STONE HE** 1A MECHANICAL

Sidewalk Lab is now currently planning to construct a district on Quayside and Port Lands in Toronto, ON.

This area will get a new face lift, which will feature the greenest and smartest district Toronto has ever seen.

Sidewalk Lab, part of Google's parent company Alphabet, will oversee the planning of the construction of the district on Quayside; Toronto's eastern waterfront and the most underdeveloped urban area in north America. The name of the project is Sidewalk Toronto. It is still in the early stages of planning and testing, which means there is no definite date for when construction will begin.

Former New York City Deputy Mayor Dan Doctoroff, is Sidewalk Lab's chief executive believes that the project will make Toronto an example of future cities. "We believe Sidewalk Toronto can demonstrate to the world how to make living in cities cheaper, more convenient, healthier, greener, fairer, and even maybe more exciting," stated Doctoroff.

The project Sidewalk Toronto hopes to bring in more jobs, opportunities, and housing for the residents in Toronto rather than having people commute outside for work. It will help solve problems normally associated with large urban areas such as energy use, housing affordability and

overcrowding. Also, it will put Toronto at the forefront of urban innovation.

The project has been warmly welcomed by Prime Minister Justin Trudeau. "This will create a test bed for new technologies in Quayside," stated Trudeau. "Technologies that will help us build smarter, greener, more inclusive cities - which we hope to see scale across Toronto's eastern waterfront and eventually in other parts of Canada and around the world."

Within this planned neighbourhood, it will provide all residents with access to Wi-Fi and will connect with other neighbourhoods within the district. It will also use digital navigation tools by making

all modes of transportation such as cars, bikes, and trains, more safe and efficient. The goal of the project is to make the residents more connected to the digital network within the neighbourhood.

Not only will the district feature connection like never before, it will also aim to be efficient and eco-friendly. In addition, it aims to construct an infrastructure that would reduce landfill waste. Along with the greener technology offered by the project, it will also include a wide range of public spaces that are open all year round, with easier access to parks, beaches and the waterfront in Toronto.

Sidewalk Lab and Waterfront Toronto

both hope that this project will attract major companies, promoting Toronto as a tech hub. Google has plans to move their Canadian headquarters in this district once construction is complete, sorry Waterloo!

Sidewalk Lab has contributed 50 million USD to the investment for the initial phase of the project. The federal, provincial, and municipal governments have invested a total of 1.25 billion CAD to protect the area from flooding.

For now, Sidewalk Toronto is still in the early stages of planning and testing. However, it is known that this project will bring in thousands of jobs during the planning and the construction in the future.



Maldive via Wikimedia Commons

Future rendering of Toronto... Looks pretty similar if you ask me

# VP Election Coverage VP Academic



MEGAN TOWN CANDIDATE VP ACADEMIC

Hi everyone! My name is Megan Town and I am running to be your Vice President Academic of the Engineering Society.

A little bit about me: I'm currently in 2B chemical engineering; my hobbies include playing Avalon, ultimate frisbee, Path of Exile and sleeping. I have been passionate about academic advocacy since 1A when I was elected Academic Rep for my class. I still hold this position and continue to pioneer discussion and initiatives to improve my class' learning experience. My previous advocacy work also includes working with CECA, WatPD and on mental health. I am currently the Student Services Commissioner responsible for assisting all professional development and workshop directors.

My platform consists of 3 main points: 1. Reinforce our relationship with CECA, WatPD and mental health services to promote student issues. I will hit the ground running on these issues because I have significant experience working with these groups in the past.

2. Expand the document of stances\* and conduct an engineering-wide survey to gain data backing these stances. I believe there are more stances which should be included in the document and I will use student feedback to add them. Furthermore, I will conduct a survey to gather strong data which is a key factor in convincing people that change is necessary.

3. Hold monthly townhalls to reach students from all over engineering. To reach students that may not usually be heard, I will hold townhalls in RCH, E5 and CPH\*\* throughout the term.

To learn more about my platform please visit fb.me/Megan4VPA

Thank you for taking the time to read about me and don't forget to vote Megan for Vice President Academic!

\*The document of stances can be found here: https://www.engsoc.uwaterloo.ca/ documents/governing-documents/ Each of the statements has been voted on by A and B society and thus represents the opinion of engineering students as a whole

\*\*licensed event held in POETS, subject to approval



BENJAMIN BEELEN CANDIDATE VP ACADEMIC

You may recognize me from the presidential campaign, but if you don't, my name is Benjamin Beelen and I'm a 2B Environmental Engineering student. I'm running to for Vice-President Academic and I have lots of experience dealing with faculty and especially CECA. If you see me in POETS feel free to ask me about my CECA experience, it's a pretty good story!

My focus should I be elected VPA is to build a strong and permanent communication bridge with CECA. Many of us, including myself, came to Waterloo for the co-op. Things like "Co-op 2.0" and WaterlooWorks actuals budget were poorly communicated to the entire student body, including us engineers. Ideas I would explore to begin building this bridge would be to make a standing invitation for CECA to general council meetings, creating a committee on co-op success with CECA representatives and the creation of engineering specific CECA town halls to be held on engineering schedule appropriate hours.

One of my focuses will be a small but

tangible change, or should I say recovery, of the calligraphy seen on the graduating class photos. Sometime around 2008, calligraphy disappeared off the graduating classes' legacy. This leaves us with the current printer fonts which when mounted next to the previous classes, looks boring and bland. I want to find out why this happened, and begin the work to bring the calligraphy back.

Finally, should I be elected VPA, I will continue the fantastic efforts seen by our current VPA, Andrew McBurney. Andrew has done an excellent job at representing the society to faculty and his communication, and mixtapes, has set the bar high for his successor. I believe I am fit to be that successor. Have a fantastic rest of the term, and remember to vote!



# **VP Communications**



GRANT MITCHELL
CANDIDATE VP
COMMUNICATIONS

Hello! My name is Grant Mitchell, and I am running to be your Vice President Communications for the Engineering Society, B-Society.

I am currently a 2B Geological Engineering student who has been involved in the Engineering Society since my 1A term. I started out as a class rep and since then have filled several roles in the society including directorship and commissioner positions. Now, I am looking to go one step further by running for VP Communications.

The VP Communications before me have done an incredible job of gathering data on what you, the engineering students, want when it comes to communications and I want to leverage that as much as possible over the next 16 months. I want to take the opportunity to experiment with new platforms and methods of communicating what is going

on the in the society, so that everyone can stay well informed while they are on and off term.

I also want to build on keeping you in the know about what is happening at our conferences and at the meetings our VP Communications attends. I want to make sure that everyone knows exactly how they are being represented at the provincial and national level. To do that I am planning on building on our existing platforms to provide more frequent updates on the happenings at the provincial and national levels in

engineering throughout the year.

Lastly, I would like to work to bring the Waterloo Engineering Competition (WEC) into the VP Communications portfolio. This is to streamline the process of selecting and sending teams to the provincial and national competitions each year by keeping it under one vice president throughout the entire process each term.

I strongly encourage you to vote in this term's vice presidential and WEEF elections. Every vote counts!

# **VP Student Life**



AHLEY CLARKE
CANDIDATE VP
STUDENT LIFE

Hello everyone, I'm Ashley and I'm running for your next Vice President Student Life! I know that between attending class, searching for co-op jobs and finishing (most) of your assignments on time, life gets busy while on school terms. While school is super important, so is having fun and finding time to do activities with your friends. That's where I come in! I want to plan the events that you want to attend, and I want to make the current events even bigger successes.

Through my previous experience with the Engineering Society I already have a few ideas on how to make both of those things happen. I have been a director for two terms, so I have experience planning, organizing and executing events for you. In the past I've run Semi Formal, which is always a great night but sometimes doesn't attract as many people as it should. That's why as VP Student Life, it would be my mission to run Semi Formal as a joint event with another faculty, like Math or Science. This not only doubles our turnout, but also doubles the resources we have to work with and the amount of fun we can have!

While I am going to focus on improving the student turnout to many of the events that the Engineering Society already runs, it's very important to me that I plan new events that you want to attend as well. By interacting with each class through their class reps and on

my own, it's my goal to run at least one new event per term that is chosen by the student population in general. Whether this event is a trip to play paintball or laser tag, or just a video game and board game tournament in POETS, I want to know the kind of events that appeal to evervone

I promise to keep you informed on the events I'll be planning with posters, announcements, calendar reminders and Facebook events. I'm so excited to see what new events we can plan together if I become your new VP Student Life!



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# **VP Election Coverage VP Finance**



BRYN CUMMINGS CANDIDATE VP FINANCE

The VP Finance position focuses on five main responsibilities each term; balancing the budget, overseeing the society's store and services, providing sponsorship for student initiatives, managing student spaces and long term society improvement. My goals in this position involve maintaining the current practices and bringing in some new ideas. Balancing the budget has been done well in the previous terms, but I have noticed many of the members of EngSoc pay their fees, but don't utilize the services provided. I would like to organize and encourage a feedback form throughout and prior to my first term to be able to implement changes reflecting where the majority of EngSoc members think their funds should be allocated.

Sponsoring student initiatives has expanded so much in the past few years, and having seen how it works from being a member on multiple sponsorship committees I hope to continue its growth.

**HENRY BULLINGHAM** CANDIDATE VP **FINANCE** 

I'm Henry, in 2B Computer Engineering, and I want to be your VP Finance because I want to use the Engineering Society finances to help bridge the gaps between programs and years. My main point of focus is E7, which involves the opening of the new C&D and the migration of RigidWare, the EngSoc run electronic component store. Both of these services are used by engineering students of all programs and years, and I want to make sure that they are in tip top shape when E7 opens. My second point of focus is the rejuvenation of P.O.E.T.S. As the rejuvenation of P.O.E.T.S. is a space enjoyed by engineers from all faculties and streams, I want to make sure that it is maintained for years to come. I wish to continue the work of the current VP Finance to replace the worn out couches as well as evaluate what other improvements could and should be made. Last on the list of things I want to work on is Novelties, the In conclusion, vote EngSoc-run swag store, for which I am bursting with ideas that this paragraph is (finance)!

I want to improve sponsor relationships by hosting events and activities to thank our sponsors showing them the impact of their sponsorship and how grateful we are to have received it.

Many of the student spaces are hidden in their current location, I think rearranging and decorating the spaces would make them more inviting to a greater number of students. VP Finance includes overseeing: POETS, Novelties, Rigidware and the CnD, which must be maintained and staffed appropriately. I want to look into providing different food options for the CnD that cater to common dietary restrictions. In my previous jobs I have worked with retail suppliers and hope to bring new apparel into Novelties. As well I am hoping to implement "Trade Days" which would bring patches from other universities to UW for a select number of days. I am passionate about this because I understand not everyone has the means to get other schools' patches by attending conferences and think patch trading can be brought to the school for more people to partake in. Please ask me about anything related to

too small to contain. Novelties goods are bought and worn by engineers from every discipline and every age, even alumni, so I want to help expand its amazing product offerings. As for what makes me a qualified candidate: I've been working in RigidWare and Novelties for two terms, so I very familiar with what goes on in those stores. Also relevant is that I was the treasurer for my high school Cooking Club, so I know how to handle money and all of the procedures that go with it. Lastly, I've survived 2A ECE so I can pretty much handle anything. Henry B for VP

my campaign!



# **WEEF Director**



**THEODORE MORISSETTE** CANDIDATE WEEF DIRECTOR

Hey everyone! My name is Theo Morissette, and I'm running to be your next WEEF (Waterloo Engineering Endowment Fund) Director. I'm in 2A Management Engineering, and have been involved with WEEF since my 1A term. I am one of my class' Funding Council reps, and am on the board of directors of the fund. My platform

for this election is based on my experience with multiple roles within WEEF, and maintaining the excellent work being done by the organization. If you see me in the halls, feel free to stop me ask anything about my campaign. Lastly, don't fret, vote Morissette!



**MICHAEL BEAUCHEMIN & LIAM YEATES** CANDIDATES VP **FINANCE** 

Liam and Michael bring a wealth of experience to a possible executive team. If elected, Liam will be serving in Spring 2018 (during his 4A term) and Michael will be serving in Winter 2019 (during his 4B term). We are both very excited to run and at the possibility of serving BSoc for the upcoming

Our main platform points relate to some important facets of student life: POETS and Student Deals, and Events. First, we want POETS Managers to be involved with events again. We will be looking at integrating POETS with upper-year oriented events to facilitate socialization in POETS at the end of the week, running Frosh Fridays in PO-ETS, and working with Mental Health directors to run Mental Health-oriented events in POETS.

Next, we want to update the Soci-

ety's approach to Student Deals. Student Deals has tended to fall through the cracks a bit, so we want to begin by holding current deal-holders accountable. We also want to focus our search for deals where we can most benefit the student population (surveys!), and we will revisit and potentially update the contracts we use to better protect the society

Finally, of the big items on our docket, we want to introduce a Run-Your-Own-Event which will operate a lot like FEDs' club creation. If you bring us a proposal, with student interest, there will be money set aside each term so that good proposals can earn up to 50\$ towards running an event. This could mean free (to you) food and drink, marketing, and more!

Other ideas that we have include workshops for EngSoc financial literacy, overhauling P\*\*5, and rethinking the way that we give Student Teams money. Thanks for tuning in, we're super excited to talk to you all about our platforms, so if you see us around, ask us anything!



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# Point Vs. Counterpoint

## Professor Snape is A Worse Professor than Umbridge

**POINT** 

#### **ALEXA GRITTANI 4A MECHANICAL**

Snape is knowledgeable about the subject he teaches, but that is not enough to make a good professor. Sometimes having a subject come easy to a person makes it harder to teach because you don't understand how someone doesn't just grasp what comes naturally to you. That's the least of my problems with Snape as a professor.

He bullies his students to the point where Neville's greatest fear is Snape. This is significant because Neville's parents were tortured to insanity by followers of the Dark Lord. One would expect him to be more afraid of other evils, but Snape abuses his power so much that this is not the case.

Snape also bullies Harry. Some may try to argue that Harry hated Snape as much as Snape hated Harry and therefore it's mutual and understandable. This is poppycock. Snape hated Harry before Harry had a chance to form any opinions on him, before they even met. And all because Snape is still hung up on his childhood obsession (not love) with Harry's mother, whom he abandoned for power before she even rejected him.

Also, a student disliking a teacher is one thing, a teacher disliking a student and bullying them to the point where it interferes with learning is way worse. Snape was abusing his position of power over Harry. He took out his anger that he had been harboring from childhood. That's messed up and unhealthy. Not ro-

Speaking of bullying, why in the name of Merlin's most baggy Y-fronts does Snape have to shit on Hermione for wanting to learn? She is the only student that is consistently eager in every class including potions, but when Snape asks a question of the class, and Hermione has the answer, he just gets mad and insults her. If a professor insults a student for learning, they should not be a profes-

He also showed favoritism. Snape rewarded the Slytherin students when they did the smallest things right, then punished Gryffindor students when they did what he asked.

Example: Neville messes up his potion. So Snape says they will feed it to Neville's beloved toad at the end of the lesson knowing that if the potion isn't made right it could harm the toad and that Neville, having no aptitude for potions, cannot fix this himself. At the end of the lesson the potion works properly and the toad shrinks. Snape takes points from Gryffindor because he believes Hermione helped him without proof.

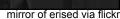
Hermione did help Neville, but that's not the point. Snape knows that Neville does not learn and do well under pressure, but when he makes a mistake instead of helping Neville learn how to fix it, Snape insults him and puts him under more pressure.

Failure is an important part of learning. Struggling to learn something and making mistakes has actually been proven to be what makes you smarter. Snape has created a classroom environment where students fear making mistakes

which makes it impossible to learn.

Snape was also the worst occlumency tutor even though he was knowledgeable on the subject. He fulfilled his duty to Dumbledore by physically giving the lessons, but beyond that he did his best to spend all of the lessons torturing Harry. Snape gave Harry no warning about what he was about to do and provided him with no foreknowledge on the magical subject of legilimency and instead expected Harry to just figure it out on his own by continually delving into his mind. Snape's excuse was that Voldemort would not give Harry any time to prepare himself, but that's just an excuse. Snape should have been helping him learn strategies to clear his mind and helping Harry find what works for him. Then he should have made his legilimency increasingly more difficult to throw off. Since Snape is a crappy professor he did not do this.





#### fumes, the delicate power of liquids that creep through human veins, bewitching the mind, ensnaring the senses... I can teach you how to bottle fame, brew glory, even stopper death," (Rowling, 1997). Who reading these lines can say there is no passion in Snape for his beloved Potions? The definition of a good professor is someone with passion. This definition exists so many places that I can't even cite it, we all inherently know this as fact. My worthy opponent then, has already lost her debate; where there is passion there will always be good teaching. If there is one thing that can be said about Umbridge without reference to her many distasteful characteristics, it's

**GABRIELLE KLEMT** 

**2B GEOLOGICAL** 

"I don't expect you will really

understand the beauty of the softly

simmering cauldron with its shimmering



### Who was a worse professor? Snape or Umbridge?

Snape also stepped into Lupin's classroom and taught the students about werewolves when they weren't supposed to be learning them yet. He did this not because he thought it was important for the students' learning, but because he wanted someone to notice that Lupin was a werewolf. Consequently he took away Lupin's opportunity to present werewolves as humans with an affliction, not monsters. Snape also did a really poor job taking over Lupin's class because all he did was ask the kids a couple questions and then make them write a long essay as homework.

Professor Umbridge is obviously also a horrible person, but I think Snape is a worse professor. Umbridge at least seems to treat each student equally horribly. She also doesn't teach magic in class, but she's not the first instructor to force students to learn the material on their own because the lectures suck. Umbridge is no one's boggart, just everyone's pet peeve. Snape is the worst Hogwarts professor ever to lurk the

Point Vs. Counterpoint is a feature meant to stimulate discussion on thoughtprovoking topics. The views and opinions expressed here do not necessarily reflect those of the authors, The Iron Warrior, or the Engineering Society.

**Editor's Note:** 

that she not only isn't passionate about teaching Defense Against the Dark Arts, she doesn't care that the students in her class are not learning anything as they sit and teach themselves from a textbook.

Umbridge as a professor lacks passion for her topic, lusts after power and control, is rude to students, tries to torture Harry, and promotes an air of fear, hatred and division throughout the school. Just one of these things is enough to put her down in the books as the worst prof ever, and in comparison with Severus Snape she appears even worse. I'm not even going to touch on the area of the Snape-Lily-James triangle and his whole horrible tortured life, he stands out apart from that as one of the best teachers at Hogwarts. If he was your prof he would be the one you disliked in the moment but were grateful to for their work in preparing you not only for exams but also for life.

We've all had that prof, the one whose class you never attended because you learnt more from the text than from the lectures. It was probably in first year and it was a course the prof had to teach in order to get to teach the stuff that actually interested them. Likely you felt from their disinterest in the subject that they resented having to teach you and saw it as a personal punishment. You probably thought they were such a bad prof you



didn't even bother to complete the course evaluation because they weren't worth

Whatever your personal experience with profs who didn't care, can you just imagine having to go to class every day and being told to open your books to a certain page and then spend the next hour or two reading in silence with the rest of your class? You would have stopped attending that in the first week. And don't think about asking questions, Umbridge actively discouraged questions and open class discussion. Try to complain and you wouldn't get a rebuff, you would get punished either in the form of demerit points to your house or detention.

But hold the phone on the thought of detention, because Professor Umbridge is not your regular professor, satisfied to make her point by giving a student a oneon-one talking to; she needed to make sure every student felt her power over them. Having a prof whose first aim in life is power is probably the worst trait a prof can have. Umbridge exerts her power over her students in the form of detentions where she repeatedly forces them to carve into their own skin a line of her choosing. A line that reminds them forever what she is capable of if she is disobeyed or her authority is challenged in any way.

Snape runs a tight ship, but it's because he knows his subject is challenging and he wants his students to succeed. He doesn't tolerate nonsense because he knows success doesn't happen if a student is lazy, or not paying attention. Snape's reason for keeping his students in line is to help them do their best and not hurt themselves either, he would never actually harm a

Umbridge's literal goal from day one is to become the school's Headmistress and get rid of all the teachers with any ideas in opposition to her own. She is rude to students, rebukes anyone who questions her, puts another professor in the hospital, feeds a truth potion to Harry without his knowledge, and attempts to torture him to gain information he doesn't even have.

Umbridge's antics end up dividing the school more firmly between the students (really just Slytherins vs. everyone else as per usual) with her creation of the "Inquisitorial Squad". This group of clearly biased students have the power of Prefects and none of the checks on privilege that come with it. This division of students creates an air of hatred between houses, despite the fact that helping Umbridge is not beneficial to anyone, even if you are in Slytherin.

She uses this "Squad" of students to help her police the rest of the student body by enforcing her numerous "Educational Decrees". These decrees inhibit student activities and ruin their quality of life, can you just for a second try to imagine the horrible mental atmosphere of a school where all your movements are being policed by your peers? I can't: school causes me enough stress as it is, I don't need to be worrying about whether I'm talking to the wrong person at the wrong

So there you have it. Umbridge is the worst. Not only the worst professor but also the worst witch. I mean you practically shout "Hurray!" as she's borne off into the forest by a bunch of angry centaurs and aren't even upset at the thought that she might be murdered by them. That's pretty messed up. And I mean she ends up actually working for Voldemort in the end so what more proof do you need?

#### <del>pQ</del>

# Looking Back at Iron Warrior History



Hey! First, a short description of this column; I'm going to be digging down into the older issues of the Iron Warrior to give a little glimpse of the newspaper's past and Waterloo Engineering as whole. This term, I'm going to review issues from Fall 2011. If you really want, you can get ahead and read them yourself (I would recommend doing this for your classes instead of this column) at http://iwarrior.uwaterloo.ca/.

Today we're looking at issue 2 of the newspaper. The first article that caught my eye was about Bill C-51, which could allow the law to get information on suspects through electronic means. This article touched on the delicate bal-

ance between security and privacy. While the bill is intended to assist law enforcement in managing crime involving modern technology, it would also grant police access to private citizen information that is unprecedented in Canadian criminal investigation.

The Ontario election was also a thing. Liberals ended with a minority government at the time, but the article also focused on the spike in Ontario tuition (history repeats itself), as we had the highest rates of university tuition in the country. Another article also reminded us to vote. It's extremely important to vote in your provincial/federal/other elections to get your voice heard, no matter how much you think your voice counts. Because it does! Speaking of, we have our VP elections of EngSoc's B-Soc soon, so be sure to make your voice heard!

Apparently, midterms were made easier on us as well this year. Changes such as time required for material to be introduced (2 days) in order to be tested and other priorities were factored into midterm rules. Instructors should also try to accommodate co-op interviews, and nobody can be required to write an exam/test outside of 8:30 to 10:00 on weekdays. Unfortunately, not much changed about the difficulty, so I wish you the best for your midterm results.

Similarly, another article was titled, "What to Do When You've Failed Your First Set of Midterms." Long story short, it isn't the end of the world. Yes, you might be upset, but there's always ways to improve, and it's important to realize that this doesn't determine your intelligence. Don't compare yourself to others, as it's not good for your mental health, but step back and see what you did wrong. Did you pay attention in class? Did you study outside of class? Did you do it effectively? Have you been eating and sleeping well? Midterms can often bring out the worst of our self-care habits, but it's important to learn from your failure and be

resilient so you can do better in the future.

The last article I want to mention has to do with being proud to be a student, written by the then-president Alessia Danelon. Waterloo Engineering truly prepares you for the real world and its challenges. You are surrounded by gifted people, and you are no different with this opportunity. I know it's pretty rough sometimes (especially since most of us just went through midterm week) but you're all smart and tough enough to get through the program. That is a great benefit of your education, to be influenced by people who are down to earth yet inspired. It is an opportunity that you should never pass up, and that we hope continues at this school now and in the future.

That's it for this issue. Things have changed between back in 2011 and now, but it seems like it's for the better. I wouldn't have wanted such difficult midterms, and it was nice to read about motivation from the past president.

# Coming Next Week to a Classroom Near You...

VIVIAN DING, ANDREW
MCBURNEY, GORDON STUBLEY
COURSE CRITIQUE ORGANIZERS

Hey engineers, it's that time of the term again! With Course Critiques around the corner, here are some things to get you up to date. Engineering will again be using UW's course evaluation platform, Evaluate (https://evaluate.uwaterloo.ca), for most of your course evaluations. Of the 27,407 questionnaires being generated this term, less than 600 are paper; that's

over twenty-five thousand sheets of paper that we don't have to consume, and that's amazing!

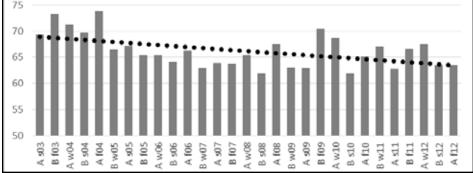
There is another very good reason for moving to electronic evaluations besides just saving paper. It's the first step toward a new comprehensive evaluation system that will provide instructors of varied course components – labs, projects, seminars, lectures, team-taught, online and other types of courses – with meaningful student feedback. But without reliable student participation, progress toward this new system is at risk; if response rates drop, results lose

meaning and everyone loses trust in the process. Below are a couple of charts to show you how our response rates have changed over time.

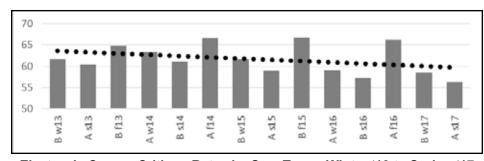
Student feedback is critical to teaching development. Your input is much needed and appreciated by your instructors, your department, and especially by future Engineering students. With both paper and electronic delivery, we see a clear downward trend; for some reason, over time students have felt less inclined to complete Course Critiques. Last term, we had our lowest response rate EVER at 56%!

But overall the average response rates for paper and electronic delivery aren't that different: with paper delivery it was 66% (N=29) and in electronic so far we're at 62% (N=14). So the system isn't broken, but we definitely need your help to keep making progress toward a comprehensive electronic evaluation system!

Between November 6 and 17, your instructors should give you class time to complete Course Critiques electronically. Make sure you find out from them when you'll be given time so that you can bring your web-enabled phone, tablet or laptop to class and complete your Course Critiques electronically. And please, be sure to complete all of your Course Critiques – future engineers are counting on you!



Paper Course Critique Rates by Soc, Term - Spring '03 to Fall '12



Electronic Course Critique Rates by Soc, Term - Winter '13 to Spring '17  $\,$ 

# **Caffeine Fix: Comparing Campus Coffee Joints**



SAMRIDHI SHARMA 2B CHEMICAL

As midterm season amalgamates with fall, sleep evades most of us. To make the days a little more tolerable, coffee finds its place in most of our hearts (read stomach). To make the process of getting to good coffee fast, this list of coffee places on campus can be a handy guide.

The Coffee and Donut shops, or C&D's may be found on various buildings on campus such as MC, B2, CPH, AL and EV1. These shops serve great coffee and math and engi-

neering C&D's are famous for being very well stocked with snacks. Coffee and Donut shops are run by the faculties' respective student societies and are therefore the most inexpensive coffee on campus, however, the science C&D in B2 is known to be the cheapest of these while also offering non-dairy substitutes such as soy milk. Lines are short in these shops and it is easy to access coffee between classes if there is a C&D near you. You may also get a discount if you bring your own cups (and save the environment on a budget).

If you have a longer break and are really craving a "double-double", one of the six locations of Tim Hortons on campus is the place to be. Unless you are going to Tim Hortons Express at DC, you will get a perfectly brewed

coffee made to your liking. It may take longer than C&D's and it definitely will not be as cheap, but Tim Hortons coffee does a great job at hitting you with enough caffeine to wake you up for the next few hours. You may find Tim Hortons at UWP, SLC, DC, SCH and ML. Modern Languages may be considered exceptional when considering a quick coffee break. Although a Tim Hortons, it is still considerably less crowded most of the time and one may be in and out within ten minutes.

Studying in DP and can not stay awake? Consider making a quick run to Browser's Cafe on the ground floor. It is quick; your time spent at Browser's will depend on how long it takes for you to decide among the various flavours of Baden coffee offered. They also have

snacks and are open later than the C&D's. Other providers of Baden coffee are CEIT café at EIT and international news in SLC.

However, if you are picky about the taste of your coffee, Williams in EV3 or the Starbucks in AHS and STC are some of the more expensive options. Although wait times are longer, the coffee is almost perfect every single time. These are good places for social breaks and to just hangout with friends, and they offer enough seating space for all their customers.

Warm coffee is a sanctuary to many on cold days following sleepless nights. These places on campus make it easier for us all to get up in the morning and make it to 8:30 a.m. lectures, and more importantly, stay awake through them



# Why Do We Need to be Strategic?

### In Life, but Mainly I'll Talk About EngSoc



It's that stage in the term when first round of WaterlooWorks is coming to a close, midterms are finishing, and the future becomes a hotter topic than the panic that normally engulfs all of us. What's my approach to all of this? Attempting to be strategic, I guess. Every once in awhile, someone will say to me "how do you have your life so together?". Well first thing - I don't. There's moments of success now and then like when I mopped the kitchen floor because it was bugging me or I did meal prep that one time or I got the interview I was really hoping for - but trust me when I say that I'm struggling

just as much as everyone else here. I visit Engineering Counseling on the regular, I time block every moment of my life, and I make a lot of hard choices to choose school or work over what I really want to do. I call this all part of my "strategy" - over time, I've come to understand what I need. Am I right or doing everything the most efficiently? Probably not, but I think I'm doing my best. When I'm on-term, those three things - counseling, time-blocking, and hard choices are the three pillars of my life strategic plan. You're probably thinking: "Rachel where are you actually going with this though?"

Well, as always, everything comes back to EngSoc. In a position where your role is your lifestyle, you end up drawing a lot of weird parallels. I've mentioned in one of my previous articles that I'm working with all of Executive (both A and B) to develop the Society's first Long Term Strategic Plan. Why is this important? A couple reasons. EngSoc is constantly transitioning, with two Society's consisting of two sets of Executive that change every 16 months, it's difficult to follow through with a lot of initiatives. If you reference the archived EngSoc articles - you'll likely find that this is the case for every Executive team. How will a strategic plan help though? A strategic plan is meant to offer a guideline for Executive for a prescribed amount of time. When the prescribed amount of time is over - the plan is reassessed. The strategic plan should be passed by council because it sets a precedence for what students believe are important to them. What sort of information goes into a strategic plan? The strategic plan is divided into a few sections based on

Executive's understanding of the current student needs. As always the document begins with an introduction and reminds readers of the mission and vision of our organization (EngSoc). The introduction includes the purpose and intention of the document. The introduction is followed by the areas that we want to strategically improve. Executive have currently identified 3 areas - Organization, Services & Representation, and Student Life - which yes does include basically all that we do! ~continuous improvement~

If this sounded at all remotely interesting to you, or you've wondered "what does the Engineering Society actually even do though?" Come out to Council 3 where we will be reviewing the document and voting on the content. Everyone is welcome to attend on Wednesday, November 1st at 5:30 pm in RCH 301!

# All the Diversity!



Happy end of midterms everyone! I hope you all survived and are getting hyped up for all the events coming up this month! Semi-formal is THIS FRIDAY and it's going to be Halloween themed, so come out in your best costume and hang out with some other cool engineers. Appetizers will be available, as a well as photo booth with a special guest. There will be lots of dancing and hype, so show off your best outfit and your best moves. Tickets are available in the orifice or at the door for \$15, everyone is welcome!

Then, wake up early on Saturday morning for Bus Push: Harry Potter and

the Push of the Night Bus. As a fundraiser for the Heart & Stroke Foundation, the engineers pull (the title is misleading) a bus from the University of Waterloo all the way to Kitchener Market Square! The route spans approximately 7.1 km, and the bus moves along University and Weber. Pledge forms are available in the orifice, and you get a cool Harry Potter themed shirt. It's a lot of fun and it's for a good cause so be sure to come out.

As well, EngSoc is going to the the Night Shift Festival in Kitchener on Saturday night. You can learn more about it here: http://nightshiftwr.ca/.

As per usual, board games are on Mondays, Engiqueers and Charity Grilled Cheese is on Tuesdays, and starting last week Riverdale Nights in POETS on Thursday nights! Check out the calendar on engsoc.uwaterloo.ca to

see more cool events happening every day!

Let's talk more about EngiQueers! EngiQueers is a part of EngiQueers Canada, and therefore a part of the greater community across other universities in Canada. You can get an EngiQueers Canada patch in Novelities to sew onto your coveralls. Every Tuesday evening, you can come to the event to meet other students in the community in a safe and inclusive space where everyone is welcome. There is always lots of movies and games as well, so come join the fun! EngiQueers also hosts other events throughout the year, most recently they hosted Coming Out Day in order to celebrate the power of coming out. You can look forward to summer term as well, when EngiQueers participates in the Toronto Pride Parade. There's plenty

of tye-dye and bubbles to go around, so keep that in mind for next year. For more information, you can contact the EngiQueers directors an email at engiqueers@engsoc.uwaterloo.ca.

The mural is getting done as well, Kelsey, our talented painter, will be working on it in the orifice throughout the next month, so come by and check out her progress. The mural that was voted on during JAGM is a depiction of the official animals of EngSoc, the Dik-Dik and the Diksisel. They are an adorably tiny deer and a bird. You can also check out novelties for the matching patch to show off to your friends!

We're over half way through the term now and I hope you're all enjoying it so far. Look out for more cool events coming your way and stay warm as the weather cools down!

					Upcomii	ng Events	Calendar
Wednesday Nov 1	Thursday Nov 2	Friday Nov 3	Saturday Nov 4	Sunday Nov 5	Monday Nov 6	Tuesday Nov 7	Check out up-to-
Council Meeting 5:30 pm - 8:30 pm  Circuit Design Breadboarding Workshop 6:00 pm - 9:00 pm RCH 108  Circuit Design PCB Design 6:00 pm - 9:00 pm CPH 1346	Resume Critiques 6:30 pm - 9:30 pm	Semi-Formal 8:00 pm - 11:30 pm Turret	Charity Bus Push 9:30 am - 1:30 pm University  EngSoc Goes to Night Shift Festival 7:00 pm - 11:00 pm	Patch Design Voting Oct 22 - Nov 4	Board Games 5:30 pm - 8:30 pm POETS  Post Secret Day Orifice	Charity Grilled Cheese 11:30 an - 1:30 pm CPH Foyer  EngiQueers 6:00 - 9:00 pm POETS	the-day event postings on the EngSoc website at engsoc.uwaterloo. ca/event-calendar/
Wednesday Nov 8 Arts: Old is Gold 5:30 pm - 7:30 pm CHP Foyer	Thursday Nov 9 Career Fair 11:30 am - 1:30 pm	Friday Nov 10  Coffee with MATES 3:00 pm - 4:00 pm	Saturday Nov 11  VP Election Voting Nov 10 8:00 pm - Nov 13 5:00 pm  Remembrance Day 10:30 am - 11:30 am POETS	Sunday Nov 12	Monday Nov 13  Change for Charity Nov 13 - Nov 17  Board Games 5:30 pm - 8:30 pm POETS	Tuesday Nov 14  EngiQueers 6:00 pm - 9:00 pm POETS	

# The Life of a Student Leader

## Balancing Your Time and Money and Friends and Commitments and Breathing



On the weekend of September 22nd-24th I attended the Canadian Federation of Engineering Students Presidents' Meeting (CFES PM). At this meeting, there was a lot of great ideas shared, and initiatives discussed. One of the main initiatives discussed was the formation of CIESO (Coalition of International Engineering Student Organizations), and the development of an international engineering competition. This will be a joint effort between the CFES, Board of

European Students of Technology (BEST), National Association of Engineering Student Councils (NAESC), and a German non-profit student organization, bonding. All organizations will work to elect a Board Executives for CIESO by March 2018, and any members from any of the partner organizations (that means all engineering students in Canada), are allowed to apply for these positions. Once the board is elected and the governing documents are finalized, the first initiative will be revitalizing the International Engineering Competition (IEC) last hosted in Calgary in 2013. This is an incredible plan which will lead to a lot of collaboration not only between engineering students, but also between cultures, which is very exciting.

Another development in the works, is the national survey that was sent out to all engineering schools across Canada. By January 2018, a report will be created, and then presented to the National Council of Deans of Engineering and Applied Sciences (NCDEAS) at their next general meeting. This report will summarize various data collected on mental health, work load, language electives, and coop programs. The goal of this report is to bring forward a stance that encompasses the thoughts of nearly all engineering students across Canada and ultimately bring more awareness to the decline in mental health of engineering students due to enormous workload, allow for improved co-op programs, and elective

choices. This, as you can imagine, will be a powerful statement for students to make to NCDEAS.

Next month, the Professional Engineers of Ontario – Student Conference, and Conference on Diversity in Engineering will be held. This will be a great experience for everyone in attendance, and I encourage everyone to apply for Congress in January, and the First Year Integration Conference in February (if you're a first year). Look out for some blog posts about those in the coming months at www.uwengconferences.ca. As always, if you have any questions, feel free to stop by the Orifice during my office hours, or send me an email at vpcomm.b@engsoc. uwaterloo.ca. Cheers!

# It's a Match! And Not the Tinder kind...

### Rankings and Matchings in WaterlooWorks



ANDREW MCBURNEY VP ACADEMIC

EngSoc, what's good in the hood?? Andrew, your friendly neighborhood Spi-\*cough\* VP Academic with another hotpressed Iron Warrior article! My article this week is geared more towards four-stream, first-year engineering students. That being said, I feel the message of the article is valuable to all engineering students.

Rankings come out today, November 1. If you're reading this article in the afternoon then they're already out \*gasp\*, which marks the end of the 'Main-Matching' process. To recap, this is the period after interviewing where you see what

employers ranked you on WaterlooWorks, and you subsequently rank them. After this ranking period transpires, WaterlooWorks runs a matching algorithm to determine what companies students will be matched with. After the 'Main-Matching' process, some of you will be matched with employers - but a significant portion of students (especially first years) will not.

To those students who've gotten jobs - I'd like to extend my congratulations to you. If you're in four-stream first-year, you're past one of the most significant hurdles of your degree: landing the first co-op job.

However, to the majority of four-stream first-year students who are still looking for work: hang in there. I'll say from experience that it's easy to think less of yourself for not having a job at this stage of the process. It's easy to look at other people's

success and compare yourself with them. It's easy to let these things harm your self-esteem. Here's my advice for you: don't.

When I was in 1B (as an eight-stream engineering student) looking for my first co-op job, I didn't land my first interview until two weeks into the continuous round. I didn't have any interviews in the main round. I didn't get ranked by any companies. I didn't rank any companies. By the time I received my first interview, I had applied to over 100 jobs. It wasn't until after final exams (a week into the Spring term) that I finally landed my first co-op job. It's sad to say, but this is typical for first-year engineering students.

So, if you're a student who is still looking for work - here's my advice to you: don't be discouraged. Keep applying to jobs, keep refining your résumé, and keep your head up. EngSoc provides services

to help you in the job hunt process. If you're looking to get your résumé critiqued during the continuous round, Eng-Soc is holding another Résumé Critique workshop TOMORROW, November 2nd, from 6:30 PM - 9:30 PM in RCH 3rd floor atrium. Furthermore, we have resources available on our website (https://www.engsoc.uwaterloo.ca) for résumé writing (such as templates and general tips), as well as an online résumé critique service called 'résumé rescue', where you can request to get your résumé critiqued by an upper-year in your program (https://www.engsoc.uwaterloo.ca/resume-rescue/).

As always, I wish you all the best in your studies and the co-op process. If you ever need to talk to about anything, you can reach me at vpacademic.b@engsoc. uwaterloo.ca, or find me in the Orifice (CPH 1327).

# **Sponsorship Presentations 101**



**KATIE ARNOLD**VP FINANCE

Sponsorship time is upon us! For those of you who haven't seen the posters I've plastered all over the Student Design Center, this term the Waterloo Engineering Society is giving out over \$10 000 total to student teams and groups at the University of Waterloo. While the due date for proposals has already past, this guide is to help those making a presentation make the best presentation possible!

### Tell Us Who You Are

Knowing your team name isn't enough, it's really helpful to know who you are, what your goals are, what competitions you attend, what events you do on campus. A good background on the team can really put things into perspective.

#### **How Many Engineers are Affected**

Knowing how much benefit our dollars are bringing is significantly important to us! We do accept proposals from teams outside of the engineering faculty, but we do look for engineering student breakdown among teams.

### Tell Us What You Want

It's insanely confusing to have a presentation not tell us what they are asking for funding for. "What did they want again?"

#### Prioritize

Student teams come to us asking for funding for multiple items. And that's great!

However, at the end of the day we can't fully fund everyone, so have a clear breakdown of your team's priorities.

### List Any Sponsorship Tiers

A lot of teams have pre-made sponsorship packages they send to companies. Feel free to send it my way at vpfinance.b@engsoc. uwaterloo.ca. It would be handy to provide

information on where we sit now in your sponsorship, if your tiers are cumulative, and any other details.

### Be On Time, Be Ready

Lateness, unpreparedness and sloppy presentations have all affected the decisions made by the committee previously so be

Please do not feel like this is a rigid template. This guide is written from the position of someone who has sat on the Sponsorship Committee six times. It is not a comprehensive format, just a list of tips. Ultimately, it is the decision of the six individuals who sit on our committee.

Best of luck to everyone, and I'll see you on presentation day!



# **How to Deal With Spare Eggplants**



Hello procrastinators, today we're making something new in celebration of a very special time for procrastination: midterms. The time when you really have work to do is the best time to teach yourself a new meal - unfortunately this is not mathNEWS and we don't have fancy emoji typefonts so you just have to imagine the little purple eggplant emojis right now ~~

As I had never previously made this dish, I did have to do some research. After purchasing Parmesan and a singular eggplant and thinking "Wow, what a lot of eggplant" I just assumed I was good to go. I soon found out how wrong I was because in fact not only do eggplant parmesans not require Parmesan, they also require quite a lot of eggplant. As in more than one. After googling around for a while I figured that my best bet was just to go with the ingredients I did have and combine as many versions as I could to make something that would hopefully taste good and be nutritious, unlike all of the KD I normally

#### Ingredients

So the ingredients I used are not the ingredients I recommend you use. I will put my ingredients in brackets if you're curious, but just as with my midterms, I was not prepared to cook this meal. (On a side note, cooking midterms is a bad idea no matter how prepared you are.)

2-3 eggplants, mozzarella cheese, fresh basil, plain tomato sauce, salt, pepper, olive oil, oregano

(1 eggplant, frozen squash, cheddar cheese, Parmesan cheese, salt, pepper, dried basil, roasted red pepper pasta sauce)

**Step one:** Preheat the oven to 400 degrees and then wash the frying pan on top of the stove that your roommate never washed but which you will need later.

Step two: Chop up the eggplant. If you have roommates who do their dishes this may be when you choose to put the eggplant in a colander and salt it to tenderize it for half an hour. If, like me, you are disgusted by the caked-on pasta that's been slowly accumulating on the colander since the start of the term because your roommates won't buy new sponges and don't wash things until after the pasta has dried onto the metal, you may choose to skip this step. In which case it's time to move on to frying!

**Step three:** Now that you've done the dirty work and cleaned someone else's dishes so that you can make dinner, heat the frying pan on medium heat. When you think it's pretty hot, cover the bottom in oil and heat a bit longer. Place your slices of eggplant into the oil and fry away. The point of this is to tenderize the eggplant and you want it to be a nice golden colour on each side. Prepare a cookie sheet with a piece of paper towel to absorb some of the oil and when each piece is nicely golden lay it on the sheet.

Step four: Layering the eggplant! I forgot to ask my friend to lend me her nice glass cooking dish so I had to search my kitchen for an equivalent dish to bake my eggplant in. I tried under the stove and

found a very unpleasant assortment of unclean dishes. One of which I thought might suit my purposes so I cleaned it (thoroughly) and went on with my frying. Unfortunately when I had finished frying, I realized to my dismay that the dish would not be large enough. Another search of the kitchen produced one of those aluminum dishes that hockey dads use at team BBQs to hold the burgers, it was far too big but better than too small. First you want to put down a layer of eggplant, then mozzarella chunks, then oregano then cover with sauce and layer again till the last layer. Don't put oregano on this one. I was trying to make up for my lack of eggplant so I tried putting squash in amongst the eggplant and it tasted decent. I don't, however, recommend substituting cheddar cheese for mozzarella, just take the time to go buy some mozza; you're trying to procrastinate anyways.

Stick the concoction in the oven, wait half an hour, take 'er out, sprinkle with fresh basil leaves ('cause you're worth it) and enjoy! Preferably with a glass of wine because good on you for doing all those dishes, that's hard work.

# **TEDxUW**

#### **Continued from Page 1**

Dr. Won's team is trying to peek inside this black box using their innovative device, the Organotypic Ocular Perfusion System, or OOPS for short. He promises that the device is a lot more reliable than its abbreviated name implies. What this device does is sustain human eyes outside of the body by simulating their natural environment. They can control and monitor everything from fluid pressure to pH, as well as the diffusion of substances (like drugs) within the eye. Pretty amazing stuff! Using eyes donated from deceased individuals, his research group seeks to better understand the causes of glaucoma, and develop effective treatments for it.

Thank you, Dr. Won, for this great talk and your great work!

#### **BRYAN**

One of the TEDx talks I thought was insightful was Bruce Taylor's talk about his solution to ineffective charities. In his opinion, the current model of

charities and foreign aid, which means giving money and "stuff" to countries in need, just doesn't work – it teaches those countries to be dependent on foreign aid, rather than to be self-sufficient. When the foreign aid eventually runs out of funding, or must leave the country in need because of war or other factors, the people the foreign aid was helping now have nothing. Taylor wants to flip the idea of charity on its head: he believes that the way to help people in poverty is by teaching them basic business and manufacturing skills. By setting people up for self-sufficiency, the cycle of poverty can continue to be broken even when foreign aid is forced to leave. His program has seen success in South Sudan, where he taught people how to build and sell water filters to help their families protect themselves from typhoid

The other talk I was quite interested in was Prof. Jennifer Lynes' talk about Marketing for Sustainability. While people's attitudes have changed with respect to saving the environment, their behaviours haven't changed nearly as

much. Thus, using marketing techniques, she developed five points to induce greener behaviour in people. First, informing people of environmental changes on its own isn't going to induce behavioural change. Second, environmental scare tactics just don't work on most people. environmentalists acknowledge that most people won't adopt greener behaviours for the sake of it - they need some other incentive. Fourth, environmentalists should try to induce social change, redefining what behaviours are "good" and "bad" by adding an environmental twist. Finally, designers should design cool things that just happen to be good for the environment, rather than designing environmentally good things and trying to make them cool. I thought her talk also highlighted the importance of collaboration between engineering and marketing to develop products that are both cool and good for our future.

# **Broskies**



**DONOVAN MAUDSLEY** 3A MECHANICAL 3A SYSTEMS

BROSKIES ON BREWSKIES

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# 99% Invisible



Roman Mars' voice is nothing short of spectacular. His words flow like a warm coffee. The voice of Mars is dark, even bitter, with the sensitivity and range to sound sarcastic one minute and sincerely optimistic the next. Even with the subtle speed settings I've been using, that voice still sounds so beautiful, so soothing. Did he drop out of a boy band, and "Roman Mars" is his musician name? Or maybe he's a descendant of the gods of Rome, and fell from heaven? Sometimes I wish Roman Mars could gently, calmly whisper a bedtime story to me as I drift off to sleep. That is a dream which will never be, and would probably get very awkward very fast, so I guess podcasts are close enough.

But "99% Invisible", sometimes called "99 P.I." for short, is much more than a Roman Mars themed ASMR channel. In fact, Mars is usually not the focus of attention: he is the host, setting the stage for the experts to do the real talking. Experts on what? Well, that is where the name of the show comes in. The topic of discussion is different every week, and is usually something obscure, something old, or something that only a small number of people give much thought to. In their own words, 99% Invisible is about "all the thought that goes into the things we don't think about".

Obscurity is relative, of course. The episode on the Skid Row district is probably old news to everyone in Los Angeles, but would be eye-opening for anyone who has never been within spitting distance of California. Meanwhile, the episode on Atomic Gardens would probably not seem in depth for someone who actually attempted to mutate plants by blasting them with radiation. Most people familiar with one of those topics is probably not too familiar with the other... unless they learned about both through 99% Invisible.

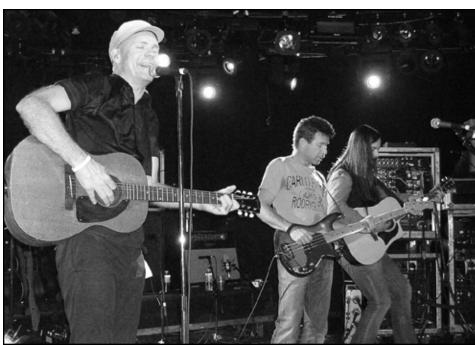
In fact, the most "mainstream" episode was probably a recent one about metrification in the United States, and it went into an almost ludicrous level of detail. Not just technical detail, but detail about the experiences of people who have to deal with this stuff, like a schoolteacher who got death threats after suggesting an airport fix their display showing the temperature in Celsius (which worked in years past, and only recently broke). That's the thing that really sets 99% Invisible apart from another great "smooth interviewer seeks unconventional knowledge show", Freakonomics Radio. Where Freakonomics focuses on abstract theory with a bit of subjective experience tossed in, 99% Invisible is as experiencefocused as their sources will allow. Theory is great but character, images and empathy command far more interest. There are some topics, such as people dwelling in the Great

Dismal Swamp in North Carolina, where there is not much abstract theory to be had

Another comparison to Freakonomics is the great use of background music. However 99% Invisible usually uses original tracks instead of licensing from bands I've never heard of. I'm here to write about podcasts, not music, so I'll just say the background sounds a bit whimsical and leave it

New episodes of 99% Invisible are released roughly every week. In yet another odd similarity to Freakonomics, each 99% Invisible episode has a detailed corresponding article on their blog. Episodes are rather short: anywhere between 13 to 33 minutes. Roman Mars has another, more focused podcast called "Trump Teaches Con Law", about the ways the American Constitutional Law might be challenged by the current President. While I enjoy that podcast quite a bit, it doesn't have that same adventurous charm that 99% Invisible has.

### Gord Downie: A Canadian Musical Icon



The Hip performing in Aspen, Colorado, in 2007. From left to right: frontman Gord Downie, bassist Gord Sinclair, and guitarist Rob Baker.

#### **Continued from Page 1**

Despite the success The Hip found in Canada they never really made it big outside of our borders, which isn't necessarily a bad thing. They were a little late to the classic rock scene, and not quite alternative enough to fit into the grunge mentality of the American 90's. After that the timing still didn't really work out. Right now, straight-down-the-middle rock and roll isn't a hit with American audiences; they prefer more indie style rock. Rick Mercer once stated that he thought this might be because whenever The Hip did tour outside of Canada, that only Canadians could get tickets. Canadians living elsewhere would drive hundreds of miles to see The Hip in Texas or California.

One of the Hip's highest profile appearances in the US was on Saturday Night Live in 1995. This appearance was made possible by Kingston-area native Dan Aykroyd, who was part of the original Saturday Night Live cast.

The Hip are hard to really pair down stylistically. *Up To Here* and their sophomore follow up Road Apples both have a very blues rock feel to them, which transitions to a more straight forward alt rock feel in 1992's *Fully Completely*. This album both feels larger and smaller at the same time, which is likely a combination of the band having more time to rehearse the songs beforehand, a different recording technique, and a new producer. Fully Completely is my favourite Hip album, featuring classics like "Fully Completely", "Fifty-Mis-

sion Cap", and "Locked In The Truck of A Car". Their next album, Day for Night, balances alt rock and pop rock nicely and features a lot of Downie's best lyrics.

The Tragically Hip also slowly ingrained themselves in Canadian pop culture over their whole career. I mentioned before that "Blow at High Dough" was featured in one CBC sitcom, but the band made a cameo in another. One episode of Corner Gas features the band practicing in the main character's garage. Other CBC shows, like Anne and This Hour Has 22 Minutes, make use of the Tragically Hip's music. In 1999 the Hip played the first concert at the Air Canada Centre, only two days after the first NHL game was played

Downie is one of the few singers who can sing about Canada without sounding cliché. He references hockey players, politicians, towns, cities, and even lakes without sounding absurd. This is probably because he's simply seen it all. The Hip have played every major city in Canada many times. Downie even played a show at the Attawapiskat First Nation, an isolated community in Northern Ontario.

Downie also invested a lot of time and effort trying to make Canada a better place. He worked for many years with an environmental group out of Toronto trying to keep Lake Ontario clean, helping with fundraisers and raising awareness.

Downie's work with indigenous affairs is also apparent in his music. His 2016 solo album The Secret Path is a concept album based on the story of Chanie Wenjack. Wenjack, a young aboriginal boy, died in 1966 while trying to escape from a residential school. This album has been acclaimed for both its music and its message. Downie won two Juno Awards, and was honoured with an eagle feather, a symbol of the creator above, by the National Chief of the Assembly of First Nations, Perry Bellegarde. A live concert of this album was released earlier this month by the CBC and is available on their You-Tube channel. This was also the last album featuring Downie to be released during his lifetime.

Looking back to last year, the day after Downie announced his illness The Hip announced a cross-Canada tour in support of Man Machine Poem, their most recent album. This tour sold out in minutes, which has actually prompted members of provincial parliament to bring motions about scalper bots to the table. While no one actually said that this would be the last tour by The Tragically Hip, everyone knew it.

A few weeks later the CBC announced that it would be broadcasting and streaming for free the final concert of the tour live from Kingston. Officially the statistics state that one third of Canadians watched this, but that doesn't account for those watching at parties, in bars and pubs, or in town square style events. Unofficially around half of Canadians watched the broadcast. This is almost comparable to the 2010 Olympic Gold Medal Hockey Game, which is the most watched television broadcast in Canadian history.

Early in 2017 Gord went through his final recording sessions for the solo album that would become *Introduce Yerself*. This album was released just a few days after Downie's death, and features 23 songs, each about a different person in Gord's life. The recording sessions for this album were very short, with most of the tracks being laid down in a single take. I really like the first track off the album, "First Person".



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# The Iron Crossword

Don't Worry, I'm a Professional

#### **CAMERON SOLTYS**

**4N MECHANICAL** 

1	2	3			4	5	6	7	8			9	10	11
12					13							14		
15				16						17		18		
19				20				21				22		
		23	24						25		26			
27	28				29	30	31	32			33		34	35
36					37						38			
39						40						41		
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		50							51					
		52				53	54	55						
56	57					58						59	60	61
62			63	64	65				66	67	68			
69									70					
		71							72					

#### **ACROSS**

- 1: H1N1, for instance
- 4: Resin capable of preserving DNA
- **9:** US org. for "protecting the environment" 12: US system to allow the President to com-
- municate with people in the case of emergency (abbr)
- 13: Extinguish with water
- **14:** In the US, non-white (abbr)
- 15: Twilight
- **16:** Surrounded by (archaic spelling)
- **18:** Dwelling-place for travellers
- 19: Uncle's brother
- **20:** Lower bound
- 21: Black gold
- , used extensively by EngSoc 22: Purple
- 23: Emperor of Russia
- 25: Peppery herb used in Italian and Balkan
- **27:** Internet speak for intense laughter (abbr)
- **29:** Take as ones own
- 33: Surrounded by

- **36:** Light chocolate treat
- 37: Car brand made at TMMC South
- **38:** Long spear weapon
- **39:** Internet service for converting URLs to
- IPs (abbr)
- **40:** Norse god of medicine
- 41: Ontario-province ID number for secondary students
- **42:** Man on Broadway
- **46:** Force back
- **50:** Genus of the spitting animal of South
- 51: Emperor who celebrated as Rome burned
- **52:** Removing
- 56: Donkey
- **58:** Greek god of nature
- **59:** Current home of astronauts (abbr)
- **62:** Sculpture's tools
- **69:** Widely-distributed
- 70: Christian holiday after 40 days of fasting
- 71: Eggs of lice
- 72: Circuits around a track

#### **DOWN**

- 1: Provide nourishment
- 2: Surface magma
- 3: Famously-sleazy person based on their
- 4: Navy equivalent to a general
- **5:** Catalyst of werewolf transformations
- 6: Small loaf of bread
- 7: European Society of Gynaecological Oncology (abbr)
- 8: Stands against
- 9: Scientists of disease transmission
- 10: Small horse
- 11: Skin condition that especially effects
- **16:** Casual interview on the internet (abbr)
- 17: EPA, ESA, TLC, ISS, DDT, etc. (abbr)
- **24:** Museum of living animals
- **26:** Space or opening
- 27: Small boy
- **28:** Males
- **30:** Flighty herbivore in Canada
- **31:** clean, advertised by Billy Mays
- **32:** Cat sound of contentment
- 34: World War II general and US president
- **35:** Domicile for a bear
- 43: Standard unit for energy in food (abbr) **44:** "! I don't need to know about your bruise!" (abbr)
- 45: Australian equivalent to the Order of Canada (abbr)
- **47:** Tree-like being of Tolkien lore
- **48:** Island-province of Canada
- 49: Sea Eagle
- **53:** Light, hoppy type of beer
- **54:** Infinity, 1/0, or ln(-1), for instance
- **55:** In set theory, an intersection
- **56:** Faculty of the teal colour
- **57:** Tree blood
- **60:** "Do you what I " lyric (same word twice)
- 61: O-Week leader event that occurs in the early summer (abbr)
- 63: Medical imaging technique using radio waves and magnets
- 64: Time zone of southern Ontario in the winter (abbr)
- **65:** Place where first-years stay (abbr)
- 66: Cartoon colour style of the Border-
- lands video game series **67:** Sound of excitement
- **68:** Provider of internet (abbr)

# Sudoku

#### **BRYAN MAILLOUX 3B MECHATRONICS**

			Medium						
5		1		7	9				
							2		
3			4		5	8		7	
8		7		5			3		
			3		6				
	4			1		2		9	
4		6	1		2			8	
	5								
			5	4		1		6	

8					6	9		
			3	7			6	
	5					8		7
	1		9	8			4	6
		8		4		2		
4	9			5	7		8	
7		4					5	
	6			2	4			
		3	7					2

					4			1
		3	7	5			9	
		9	1			7		5
9		8		6			4	
	7						2	
	3			4		8		6
3		7			8	6		
	5			1	3	9		
4			6					

Solutions for previous crosswords can be found on The Iron Warrior's website at iwarrior.uwaterloo.ca/distractions.

# "What do you do in class when you're 'taking notes'?"



"I scroll through Instagram and keep Snapchat streaks." Mridu Walia, 2A Mech



"What notes?" Zubair Khanani, 4B AFM



"I'm on Reddit." Nathan Li, 2A Tron



"Look at jobs, or things I'm interested in like side projects." Mitchell Horne, 2B ECE



"Play Road Rash." Saatvik Walia, 2B ECE



"Talk to my friends." Alanna Feldman, 1A SciBus