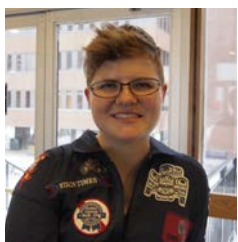


the carleton student engineering newspaper

THE IRON TIMES

Who Won the World! cses.Carleton.Ca/Publications/theirontimes April 2016

WE DID IT! We did the thing!



Rebecca "Swallow" Feddema
- Arch Eng III -

Hey C-Eng, welcome to the LAST ISSUE OF THE IRON TIMES, at least until next September. Being the Editor-in-Chief was an... interesting experience. What doesn't kill you makes you stronger, right? Ha-ha, not funny, I'm definitely dead right now. Like many things in C-Eng and life in general, the role of Editor-in-Chief swings between two extremes. At the beginning of each month there is a lull, you basically sit around hopefully waiting for articles to come in, which can be a heart-wrenching disappointment or a series of beautiful proud moments, depending on if people actually submit

their stuff on time. And then before you know it, it's the end of the month and you are running around like a crazy person trying to get content, get things edited, and shove it all into one pretty little file to be sent off to the printer. I can say that I will miss being the EIC; my life will feel a little empty without the constant stress. I have enjoyed stalking all of the Facebook profiles this semester, sourcing gallery pictures, Iron Man and Iron Lady pictures, and finding the best pictures to use for our lovely writers.

I have also really enjoyed reading all of your articles; C-Eng always surprises me with the things you come up with. You are all very talented and hilarious writers, I am super proud of everyone who built up the courage to submit their articles, pictures, and comics, no matter what year you are in. And you people should own that

awesomeness. A lot of you put disclaimers in your emails, beating yourselves up about the articles and saying that you aren't very good at writing. You don't need those! All of your articles are awesome! (And don't worry about the grammar, everything gets edited by our team of fantastical editors before we go to print). But honestly, keep sending in your content, the Iron Times is a million times more fun to do when there is a lot of content (like in this last issue where everyone submitted the things). So I better not hear from the next Editor-in-Chief that C-Eng has been a let down, or so help me I will come out of co-op to beat some articles out of you people. That being said, I will admit that it will be sad to see the Iron Times move on but I am excited to see where _____ takes this paper next year in his/her role as the new Editor-in-Chief. Treat him/her well C-Eng (or else).



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AND MUCH MORE!!!



WARNING: This publication may contain offensive material, and should not be read by anyone who is easily offended. All opinions expressed within are solely those of the writers and contributors, and do not reflect the views of the Carleton Student Engineering Society. This paper is satirical in nature, and is not intended to be malicious in any matter.

If you wish to express your views on the content within, please email us: irontimes@cses.carleton.ca



EDITORIALS

The metaphorical desk, this was all done at the kitchen table, all year long!

FROM THE DESK OF THE EDITOR

My Prayer for a Co-op Placement



Rebecca "Swallow" Feddema
- Arch Eng III -

My prayer for a Co-op Placement

If you are reading this, I have probably perished, third year was too hard, too many hell weeks, there was no chance for my survival. Good thing we make these issues a month in advance right? But there is hope for me yet, the semester is almost over, I may just be able to recuperate over the summer, maybe...

I don't know about you but I have always had mixed feelings about the summer. A summer co-op placement may sound like a lot of boring work, but at least it is engineering related, and a lot of the time you luck out by being in an office with air conditioning. I grew up on a farm and the summer months usually meant doing animal chores, working in a market, and planting. When you are working on a farm there is a lot less use of brain power and a lot more physical labour. Basically, if I don't find myself a co-op pronto I can be looking forward to a summer of actual work. And if you think that any of the above activities are fun then you are sadly mistaken.

When I say animal chores, I am not talking about the cutesy animal chores where you fill their water and give them food and everything is peaceful and serene in the morning. No, I am talking about walking into the animal room and being blasted with the wails and screeches of goats, sheep, cows, pigs and a plethora of other animals all crying out as if they had not been fed in months (though they were definitely fed the night

before). Of all these animals, I must say that goats are the most vocal, and also the most glutinous and picky. You can give goats a couple flakes of hay one minute, which they immediately begin to scarf down, while screaming, just to look back a minute later to find the hay on the floor and the stupid animal sitting in it's food trough crying as if it hadn't been fed. And this is a recurring theme in the behaviour of farm animals: they love to stand in, sit in, tip over, and destroy their food and water buckets. There is no feeling quite like washing out a bucket of vaguely brown water when you don't know if the brown is from shit or mud, adds a little mystery doesn't it.

Once you're done with the chores though, you have to start setting up the market right away. The thing with fresh veggies is they can't just be left on the tables the night before, everything has to be harvested, cleaned, and stocked before opening at some terrible hour in the morning. Working in a market is pretty similar to working in any type of retail space. People come in, buy stuff, and leave. The only difference I have noticed in working in a farm market, is that people seem to suddenly forget everything they might have known about food before they walked in. I bet you have never seen someone at the supermarket go up to the store clerk and start asking what everything is, where it is from, and why it looks the way it does. Stores have signs with that kind of information, farmers' markets have signs with that information, and common knowledge has that kind of information (or at least it should). I can not count how many times I will have to answer these questions; "That is a cauliflower", "Yes it is purple, that is because it is a heritage variety", "No we did not dye it, it grows like that", "Yes it is from our fields, I PICKED IT THIS MORNING!". And so on, and so on. Definitely looking forward to that part.

And when I talk about planting, it is not as simple as popping some seeds in some dirt, watering it, and walking away (and no, we do not walk through the fields throwing handfuls of seed around, that is way too inefficient). When we plant we use machines that can place 200 seeds, that are no bigger than the eye of a needle, at a time. We have systems that will water automatically, while dissolving a specified amount of fertilizer instantaneously. And we have a boiler system that automates the temperature in the greenhouses. But even with all of this technology there is still room for manual labour, especially when you realise that doing it by hand is the easiest way to get it right every time. Now, when we plant things, we start early. Meaning very early in the morning, but also early in the season, I mean like when there is still snow on the ground. That being said, all this planting and preparation takes place in a greenhouse, where it is hot, humid, and miserable (there is something wrong with the idea that I can get a sunburn, in Canada, when there is

snow outside). But that is just at the beginning of the Spring. When the summer comes, we get to work in the fields (like big terrible greenhouses that go on forever). Fields are terrible, they are long, and sunny (no shade for this ginger) and by the end of a row your shoes will be filled with tiny rocks, no matter what you do.

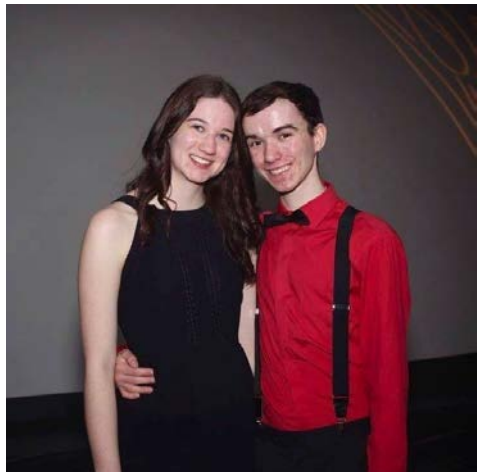
Now, you may have read this and felt a twinge of sadness for the poor miserable Rebecca who will have to work on a farm this summer (if co-op doesn't work out). But it is not all bad. I mean, (a) I'll be living at home, for free, eating all the delicious farm foods, for free; (b) There are tractors, they're pretty great (aka the best bad-ass invention ever!); and (c) working on a farm is actually pretty great sometimes. I mean, I have baby goats at home... Do you have baby goats? And I will get to bottle feed a cow, which is the most adorable thing in the world. Oh, and did I mention kittens? Kittens are a daily part of farm life (and like my family is cool... sometimes). So I will be a little miffed if I can't stay in Ottawa for the summer, but I will get over it; baby animals make getting over disappointing things very easy.

And if by some miracle I have survived, maybe I'm just in a coma in the ICU, then perhaps I will see you all in September. Have a great summer, enjoy the free time while you have it, if you get any.



EDITORIALS

Or how to be a gentlewoman, it's all still applicable



Kaila Shatosky
- B.Comm II -
and
Ryan "Hell Boy" Waddell
- ACSE III -

For all those guys out there who are so proud to call themselves "Men" we've got some news for you. There's an even better, more distinguished title: it's called being a "Gentleman". If you feel you're up for the challenge of the gentleman's life, then read this article and follow these steps to the dot.

Step 1. Hold the door open for anyone. Elderly, womanly, manly, childish, meekly, confidently, and even jerk-like; we all need to pass through a door. A real gentleman shows respect to everyone, not just the ladies, so man-up and be polite goddammit.

Step 2. If you and another person

arrive at an event/situation (ex: doorway, or line queue) always extend the invitation for the other person to go first, and do it with a smile, too.

Step 3. Speak like a scholar. If you don't know what a word means, don't use it, you'll look like a fool. Instead, do what they taught in grade school, and use either a dictionary, or a thesaurus (ie. Google it).

Step 4. Respect when a girl is in a relationship. This means respect her, and her significant other, even if you may not be so fond of him/her. Do not ever attempt to out-man someone just to "get some." Keep your eyes, hands, and words to yourself, and move along back into the big ol' sea.

Step 5. The family man is the smart man. Believe it or not, girls do in fact appreciate a guy who takes the time to maintain a strong relationship with their family, near or far. So take the time to call your Mom, or take that reading week to visit home (Bonus points if you bring her along).

Step 6. Follow your passions and show that you can actually put effort into something to make it work. This means school (final mark doesn't matter, as long as you've tried), jobs (even that McDonalds part-time job you have while living the student life), relationships (this one is huge), and any of your interests! A girl wants to see someone who is willing to grind it out when times are tough,

and who can see beyond the early results and obstacles.

Step 7. Finally, be confident in who you are. Confidence is one of the most attractive qualities, and is key in relationships and for yourself. But nobody wants to see the cocky fake full-of-himself bastard. A gentleman is confident but humble, and doesn't fish for compliments.

If you follow these seven easy steps you'll be well on your way to the gentleman's life. Just remember, these steps are for the guys out there to improve themselves, not to guarantee instant attraction from the female population. You have to put some work in, lads!



REPORTS

One of the best ways to get involved in Carleton Engineering



Matthew Primeau
- Arch Eng IV -

Engineering Change NEW@EWB

Engineers Without Borders (EWB) is well known for doing work in the following five African countries; Uganda, Malawi, Ghana, Zambia, and Kenya. But did you know there is actually a sixth country that we are currently doing work in? I'll give you a few hints on which country it is... It's to the north, it is very large, it snows a few months of the year, and it has polar bears. I know what you are thinking - "WHAT!?! Matt there are no polar bears in Africa!", well of course there isn't! - the sixth country I'm referring to is Canada!

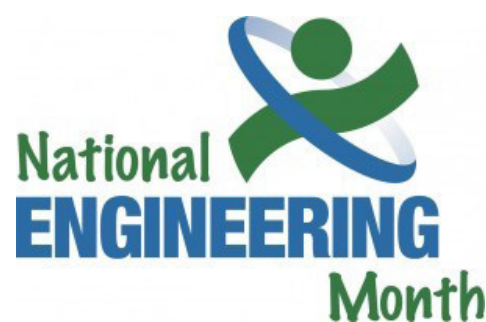
One of the lesser known facts about EWB is our portfolios of work that we conduct here at home within Canada. One of our portfolios, and the one I'd like to tell you about in this article is called "Global Engineering Leadership for the 21st Century", or if you have ever heard an EWBer here at Carleton talk about it - its simply known as "GE". This portfolio, as well as the concept of GE is quickly gaining momentum within many EWB chapters across the nation - and is starting to foster a very vibrant community of change makers!

Here at Carleton, we contribute to the national GE portfolio in several different ways. The contribu-

tions include; NEM, HOGE, GEYS, GEI and the Engineering Change Lab. In case you haven't noticed, we here at EWB absolutely LOVE using acronyms and we use them so much so that even we sometimes forget what they stand for. Don't worry though, I will be sure to inform you on exactly what all those configurations of letters mean. More importantly, in this article I would love to update you on all the work we are doing within the GE portfolio here at Carleton - so if you're ready for it, sit back and relax, because this is one of the few 2000 word papers I've written that isn't being submitted for marks... Lets get started!

Now I am very certain that as a CENG student, you have heard the term NEW (National Engineering Week) before, but have you heard the term NEM - National Engineering Month? Believe it or not, this past NEW at Carleton was a part of NEM! Founded in 2012, National Engineering Month is an annual collaboration between three leading engineering organizations: Engineers Without Borders Canada (EWB), Professional Engineers Ontario (PEO), and the Ontario Association of Certified Engineering Technicians & Technologists (OACETT). NEM takes place annually during the month of March, and has the objectives to celebrate engineering achievement, to inspire

the next generation of problem solvers, as well as to contribute to an exciting new direction for the profession.

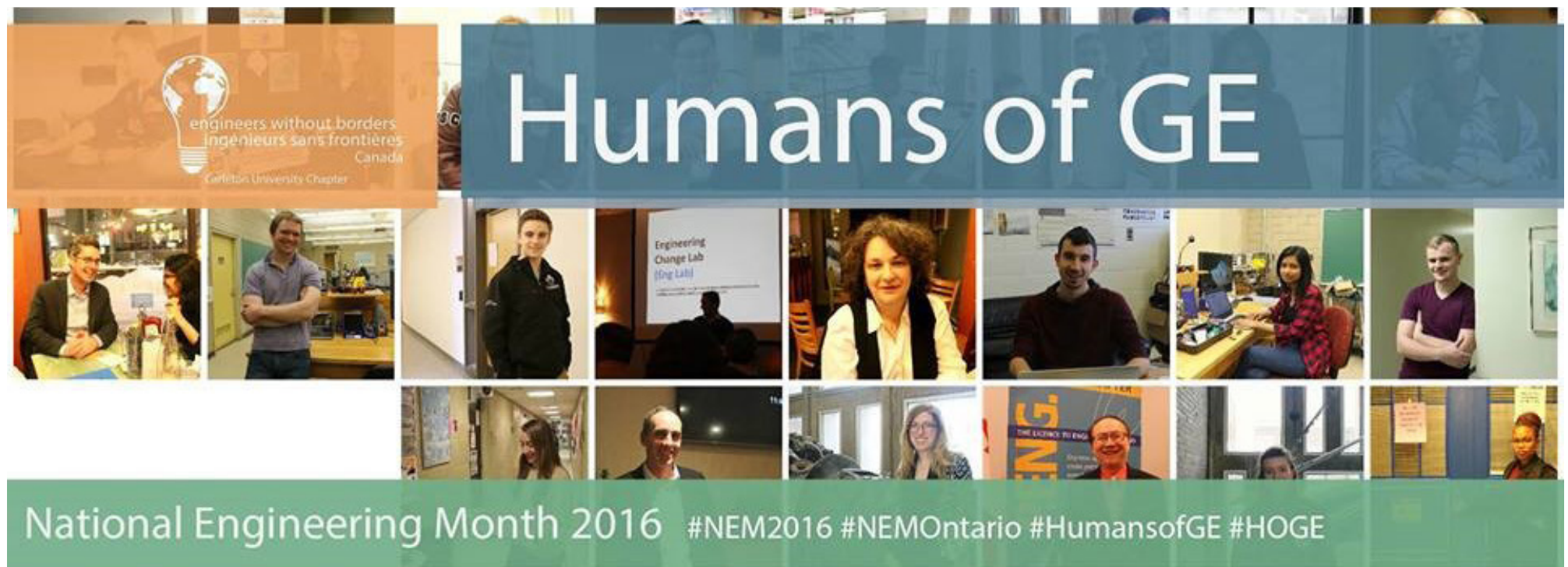


Throughout National Engineering Month, many different volunteer organizers from different universities, professional organizations, and non-government organizations (such as EWB) host a multitude of different events to fulfill those three objectives above. Here at the Carleton chapter of Engineers Without Borders, we had two different initiatives/events going on that were a part of National Engineering Month. The first of which was HOGE: Humans of GE

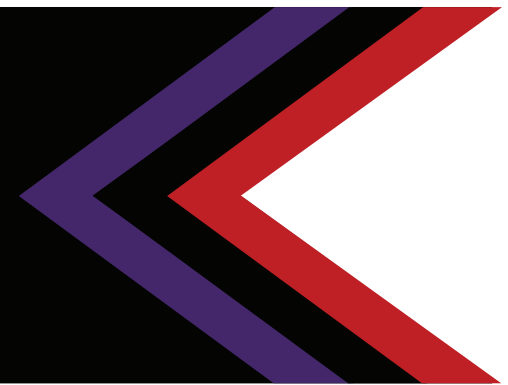
I'm sure you've seen a lot of green, orange, and blue over the past month; both covering the halls of Mackenzie, and possibly hopefully littering your Facebook newsfeed. Does this look familiar?

It's possible that on one of these posters, or on our Facebook page, you saw a picture and a shared

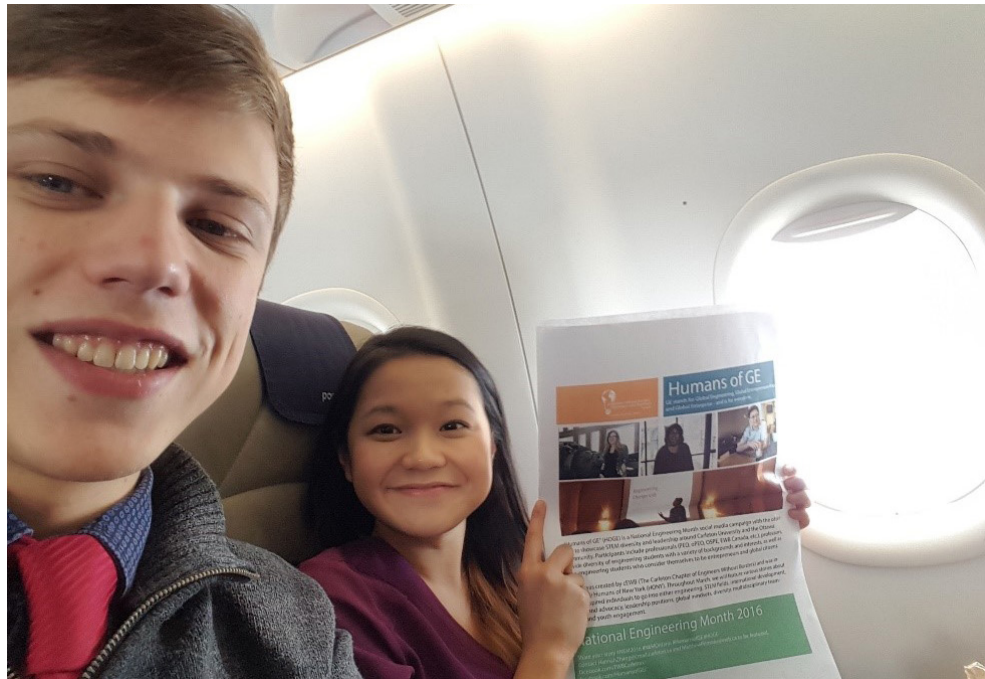
story from one of your friends, your TA, or maybe even your professor? Inspired by the famous viral social media campaign "Humans of New York" (HONY); Humans of GE (HOGE) was started here at the Carleton Chapter of Engineers Without Borders. HOGE was co-created, edited, and published by Hannah Zhang and Matthew Primeau (hey that's me!). The objective of HOGE was to use storytelling in order to showcase STEM (Science, Technology, Engineering, & Mathematics) diversity and leadership around Carleton University and the Ottawa community. The HOGE campaign started on the first of March, and ran for the entirety of National Engineering Month, featuring over 95 unique stories! Participants in the campaign included engineering and development professionals in the workplace, members of different government and non-government organizations, university professors, teaching assistants, a wide diversity of engineering students with a variety of backgrounds and interests, as well as a multitude of non-engineering



REPORTS



Global, i.e. the world outside of just Carleton, i.e. the real world



Taking HOGE to Toronto: Matthew Primeau & Hannah Zhang

students who consider themselves to be entrepreneurs and/or global citizens.

GE: What is it? I know I have mentioned it several times already, and you're probably wondering what exactly it means. GE stands for Global Engineering, Global Entrepreneurship, and Global Enterprise - and is for everyone. I would also say that GE stands for Global Citizenship, however the word Citizenship unfortunately doesn't start with an 'E'. From solving complex urban issues, to assisting in the development of sustainable energy sources, engineers are global leaders with the ability to change the world. Engineers Without Borders understands that the engineering problems of today are complex and require a diverse group of thinkers to problem solve them. That is why EWB is committed to helping the Canadian Engineering profession unlock its potential for positive impact on the world, and to help people from varying cultural backgrounds, abilities,

and genders to discover that there is a place for them in engineering!

We at EWB are working hard to push forward the concept of GE, particularly when it refers to "Global Engineering". We are doing so through a few of our other initiatives. Aside from HOGE, our most recent Global Engineering contribution came in the form of GEYS: Global Engineering Youth Summit.

The Global Engineering Youth Summit (GEYS 2016), was started by our chapter last year in 2015 - and is a day where we invite high school students from the local Ottawa area to Carleton University for a day of workshops, activities, and keynote addresses. The objective of our Youth Summit is to get youth thinking about the value of STEM professions, and to think about problems in new, innovative ways. This year, we partnered with NEM Ontario, who helped make the event a success! We also had contributions from some other groups on campus, such as CSCE, Virtual Ventures, and

Fair Trade Carleton to name a few. It was also our pleasure to have a keynote address delivered in the morning by the Member of Parliament for Hull-Aylmer, Greg Fergus, who is the Parliamentary Secretary to the Minister of Innovation, Science, and Economic Development. Mr. Fergus (who if was to read this, would insist I call him "Greg"), deliver a truly inspiring speech, and although it was directed to the youth in the room - I myself happened to find it incredibly eye opening and inspiring. Based on the success of this years GEYS 2016, we are looking forward to running it again even bigger and better next year in 2017! We better start planning now Chris!

GEI & The Engineering Change Lab. The Global Engineering Initiative, and the Engineering Change Lab are two of the larger ongoing GE projects at EWB Canada. They both work to unlock the potential of both future engineers, and the future of the engineering profession. Through the GEI, EWB Carleton is working on achieving an available global engineering certificate for graduating engineering students to pursue - this is becoming one of our major areas of focus for the upcoming 2016-2017 year. The Global Engineering Certificate is the culmination of many collaborations across Canada between university engineering programs and Engineers Without Borders Canada in order to complement the existing engineering education system. It encourages the development of a generation of engineers who will be equipped with the skills and experience to tackle some of the big challenges facing society today in a way that will create sustainable, meaningful, and appropriate change.

The Engineering Change Lab

operates with the same mandate as the GEI, and is a fairly new operation started about a year and a half ago. The lab consists of 40 different participants, all coming from a diverse range of backgrounds - who meet multiple times a year to engage in workshops to further the engineering profession. Imagine a room full of professionals, students, professors, deans, people from industry, and members of different government and non-government organizations, all engaging together, brainstorming, writing on chart paper, building with Lego - all contributing towards unlocking a higher potential of the Engineering profession. I had the privilege to see the lab in action at this past years EWB National Conference back in January - and I can tell you the energy I observed from the attendees was phenomenal!

Now you may be wondering - what is this high potential you keep speaking about Matt? Well here's the kicker, that higher potential is not only for one person to decide - you as a member of society also get to voice your opinion and help decide what it is! So what is it? What do you think the higher potential of Engineering is? Your voice matters! This is why it is so important to have a diverse range of stakeholders participating in the Change Lab - to hear the opinions and perspectives of everyone. It is highly agreed upon by Canadians that Innovation for the future is one of our highest concerns as a nation - and it is widely believed that the Engineering Profession is responsible for making that innovation happen. But did you know that Canada only ranks 13th out of its fellow 16 peer group countries within the innovation category? To quote a fellow EWBer: "If that was Canada's ranking in Ice hockey, there would



Like a normal lab, but without the strict marking



REPORTS

Acronym Count: 15 (all time high!)

EWB Continued...

be a national uproar and we would all be lining up to pass legislation tomorrow". There is a higher potential for the Canadian Engineering Profession out there, and through initiatives such as the GEI and Engineering Change Lab – we at EWB hope to get closer to unlocking it.

Looking ahead – the future of the EWB Carleton Chapter: Finally, I'd like to end this article with a bit of an update. As this past month of March has been very busy for us at EWB – we also managed to sneak in some time to run our election and transition into our new team for the coming year. Effective May 1st, here is your EWB Chapters new 2016-2017 executive team:

Our future president Jonique Gardien, as well as all VPs who will be working by her side - are all shining stars. I am so confident they will do a brilliant job running our chapter in the coming year; the chapter is in the best hands it could be in! We are also pleased to formally announce that our Junior Fellow Chloe Halpenny will be spending her four-month placement this summer in Malawi, working for an EWB venture by the name of WASH Catalyst. WASH Catalysts aims to shift the rural water and sanitation sector from projectized approaches to a service-delivery model, where services are delivered by permanent institutions, such as local government. We are very ex-

cEWB EXEC TEAM 2016-2017

PRESIDENT Jonique Gardien	
VP COMMUNICATIONS Issa Chikh Hassan	VP STRATEGY & SUPPORT Ann Gunaratnam & Fizza Ahmad Sheikh
VP FINANCE Adam Birosh	VP ADVOCACY Brendan Lucas
VP FUNDRAISING Vicky Madge	VP RELATIONS George Hanna
VP ENGAGEMENT Chris Heit	VP GLOBAL ENGINEERING Aaron Halberstadt
VP MEMBER LEARNING & DEVELOPMENT Nibas Paskaran	JUNIOR FELLOW Chloe Halpenny



cited for Chloe, and are very much looking forward to all the stories and knowledge she will bring back to our chapter in September!

As an end to this article, as well as a bit of a farewell to my EWB family; I would just like to express how amazing this past year has been at Engineers Without Borders Carleton. I had the privilege to lead an amazing team of executives as this year's president – and through this position I have witnessed the growth of many incredible leaders! Between the multitude of on campus and outreach events we brought to life, our attendance of 19 Carleton student delegates at EWB National Conference, hosting a Kumvana

fellow, getting members of parliament to engage with #PoliticsAside, and so much more; I am so proud of our chapter – and am proud to call myself an EWBer. As this is my last month here at Carleton before I graduate, and my last chance to ever write an article for the Iron times - I would like to take this opportunity to leave one piece of advice for any new students, or students who may feel they are missing something in their university life: Get involved. Whether it be with EWB or a different club on campus, it doesn't matter – just put yourself out there, find something you are passionate about, and courageously commit to it.



Kyra Bloomfield
- BioMed Elec I -

The Perks of Living on Residence That You Should Consider For Next Year

Ok, I know, this might sound crazy but just hear me out!

- You can wake up 5 mins before class and actually get there on time.
- You can become a tunnel hermit (like me) and never

have to step foot outside in the cold.

- NO BUSSES MAKING YOU LATE – just the long omnilette line.
- You are always on campus ready to scoop those FSK tickets.
- You never have to cook!

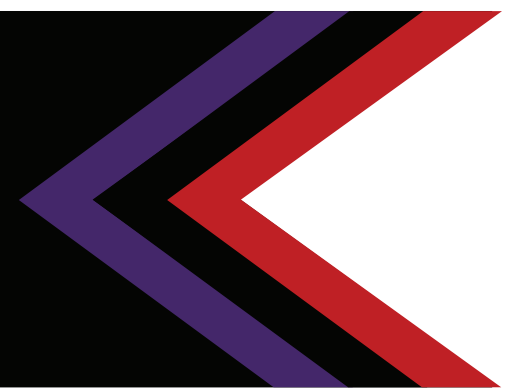
Like ever! And come on, you survived caf food once, you can do it again.

- You can stay out all night doing the EngFrosh scavenger hunt to guarantee your team wins because you know home is right around the corner.
- There are like 10 Tim Hortons within a 5 minute walk.

- Need to take a nap between classes? Run to your room!

And yes, there are many bad things about living in residence but I'm sure you can eat bad food for another 8 months in exchange for more sleep!

REPORTS



Doors that have animated Pixar monsters coming through them are pretty cool too



Rachael "Fire in the Bowl"
Machnee
- II -

As someone wise once said "Not all doors are equal" that person was me. In light of this I decided to write about my favourite doors in Mackenzie and Minto. There is a lot of criteria when it comes to rating doors. Some of these are if it is locked, colour, texture, creakability and push/pull ability.

What did the door say to the person? "Don't touch my knob!"

The number one way to make me dislike a door is if it's locked. You know when it's super snowy and cold and you just left Mackenzie to grab some Tims for your Saturday lunch and you can't get back into the building because every door is closed so you have to run a half marathon around Mackenzie to the one open door in front of Minto and by the time you finally get in and back to your desk it's two years later and your food is cold and unpleasant. It just ruins your day, which is why it is on the top of my door hate list.

Colour is an important aspect of a door because the brighter the

door colour the less likely you are to walk into it. As well as giving room's easy identification much like Leos. I also enjoy when house have coloured doors in bright and fun colours like purple and yellow. NICE COLOUR = NICE DOOR

The texture of the door is important because you don't want to get a sliver and sometimes if its glass you might slip while trying to open the door or walk into it if it's very clean.

Creakability this is dependent on the situation. It's bad

class without the professor noticing and shaming you. It is a good thing when you want to alert someone of your arrival without the awkward fake coughing because you are too shy to talk to the person or knock.

Push/Pull Ability. I go to the gym sometimes, maybe and the doors in Mackenzie are hella heavy. Opening a door for me isn't chivalry, I just can't. It also makes me feel bad when I can't hold a door open for someone because my arms have the

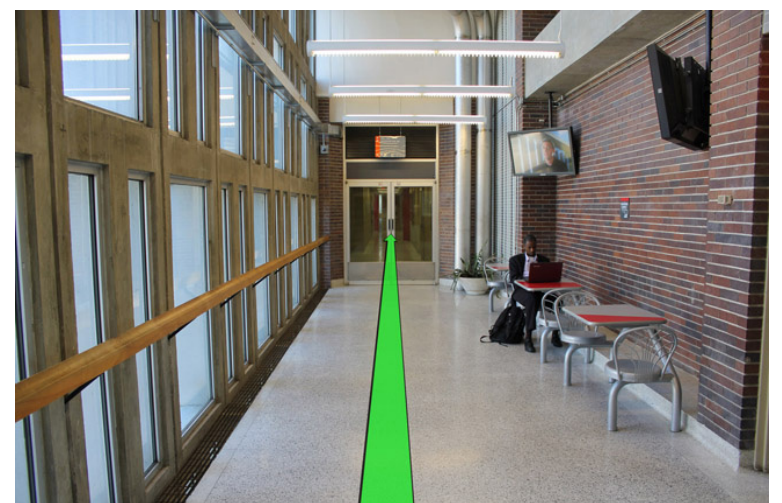
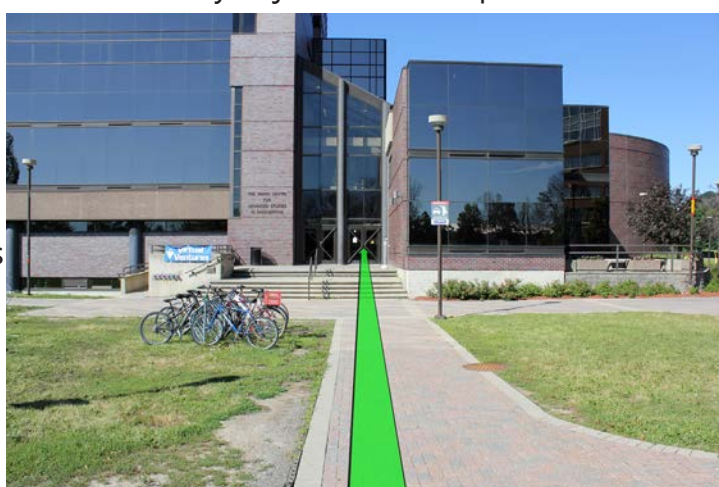
strength of a noodle. I just want to get to class.

Personally my favourite doors in Mackenzie in no particular order are:

CMAS Door - I have a key for it.
Leos Door - I can get banana chocolate chip muffins by going through that door, as well as Spicy Combo sandwiches (Finger Point at Darwin and Charlie)
And any door a cute boy is holding open.



when you just want to slip out of



Scentient doors are a whole other problem



COLUMNS

Though this is just the beginning



Julia “Teabag” P
- ACSE III -

Here we are. The last issue of the iron times for this school year and the last column in my hermit relationship series.

It might come as a shock to some of my readers but in a strange twist of fate, I wasn't even single for the entirety of this year. With a couple of relationship attempts under my belt I feel as though I have slightly more knowledge about dating than when I started this column (although I do still find it to be a confusing mess). Looking back on the combination of my previous articles and my new-found relationship experience, there are a few pieces of relationship advice I would like to share before the year comes to a close.

1) Make sure you're dating for the right reasons.

If you're dating just for the sake of not being alone, it's not going to work. If you're rebounding from an ex, same story.

Most importantly, if you're counting on a relationship to solve all of your problems, you're going to be thoroughly disappointed. Being in a relationship isn't magical like many people seem to believe. It's work and if you're not

ready for that, it's probably better to be single for a while (or forever... I also accept hermiting forever).

2) Don't be afraid to put yourself out there.

I'm fine with being single, it's what I'm used to and definitely what I'm comfortable with. Of course there's nothing wrong with being single but if you're ready to date, don't be afraid to. Yes, it can be scary, but you'll never get anywhere if you don't put yourself out of your comfort zone at least a little bit. Go on some dates. If it doesn't work out, you may have wasted a couple of valuable study hours but you probably got a funny story out of it to laugh about with your friends.

3) Be clear with what you want.

People are confusing. That has pretty much been the point of my entire column this year. Add the potential for a relationship and things get exponentially more confusing.

Want to go on a date? Ask the person out on a date. Don't cryptically ask if they want to "hang out sometime" and hope they figure it out. Full disclosure, I've been on dates that I didn't know were dates until halfway through and the result was not pretty. You might think you're being perfectly clear but that doesn't always come across to the other person.

On top of that if you're looking for something more than just casual dating, it's also important

to figure out where you stand with the other person. If you want to be official, you might want to have that conversation with them. If you're OK with just casually dating, feel free but make sure you're both on board. One of the worst things about dating is trying to figure out if you're "actually a thing" when people ask.

4) Break your own rules if you think it's right.

Maybe you have this rule about not dating anyone that's not in university. Maybe you don't date people under 6 feet tall. Or maybe you don't date people if they don't have all the same interests as you. If you look at all these rules together, the number of people you're discounting just from some superficial or unimportant fact is astronomical.

If you meet someone that has the potential to be a great significant other, don't let one of your personal hangups stop you from giving it a shot. Maybe they don't listen to the same music as you but they might introduce you to a new genre that you didn't even know existed. Dating can be a great learning experience if you aren't too caught up in your own preconceived notions to enjoy the ride.

5) Make mistakes and learn from them.

So, you went out for coffee and your date turned out to be a drug dealer. It sucks, but it's not the end of the world. Alright, you went on another date and they

wouldn't shut up about shoes. Again, it sucks. Maybe you even found someone that you really liked but they didn't feel the same way. We've all been there.

The thing is, if you've decided that you're not going to hermit forever, you're going to have bad dates. You're going to be in relationships that don't pan out. Ya, maybe going home with that person from the bar last Thursday for that one Tinder date two weeks ago was a mistake. As long as you learn from it though, it wasn't a waste. And even if you didn't learn from it, it'll still give you a story to tell your friends the next time you see them.

6) Don't give up hope.

Life is what you make it. The number of dates you go on is ultimately up to you. Don't take this as meaning that you should keep asking someone out who's already turned you down (DO NOT DO THIS, IT'S CREEPY) but this means that if you're looking and you have a good attitude about it, you'll get another date.

Don't let bad past experiences stop you from going out and trying to meet someone new. I know that sometimes it can be discouraging but the best thing you can do if a relationship doesn't work out, is accept that it's over and move on to something better.

As for me, I'm still waiting for when Greek partner dances make a comeback as our main form of dating. So long C-eng. See you in September.

COLUMNS

One of the only types of activity engineers take part in

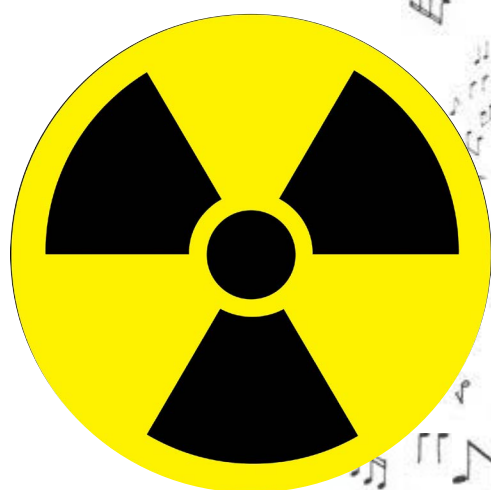


Gabriel Wong
- MECH III -

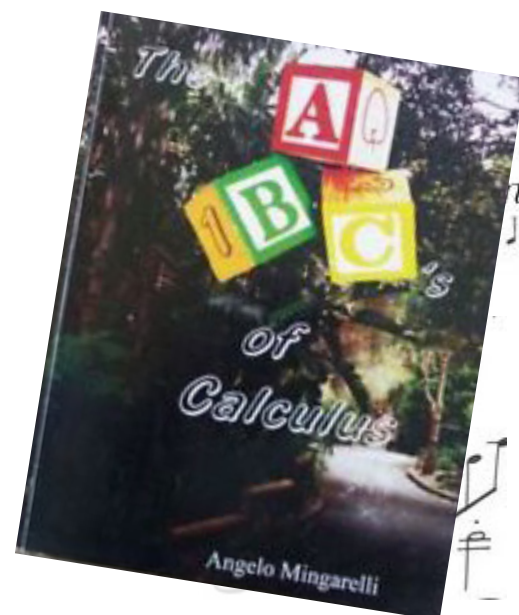
Calculus-Active

A Parody of Imagine Dragons' "Radioactive"

Lyrics by: Gabriel Wong



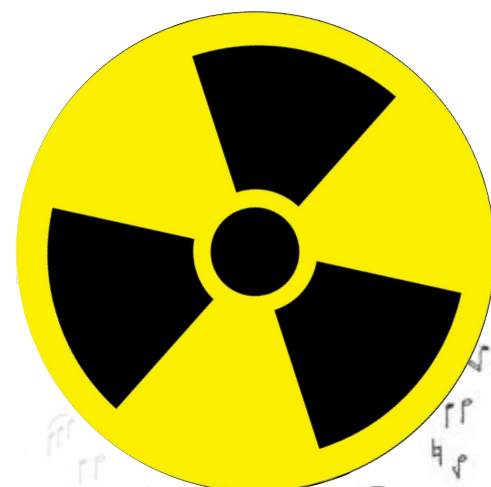
I'm waking up to calculus
I pack my bag and I catch my bus
I'm solving all the integrals
I integrate, differentiate
Got an exam, better not be late
This is it, the Apocalypse
Whoa-oh



I'm sitting down, my pencil in my hand
Three hours of calc I just can't stand
Welcome to the Field House, to the Field House
Welcome to the Field House, to the Field House
Whoa-oh-oh-oh-oh! Whoa-oh-oh-oh, I'm
In Engineering! In Engineering!
Whoa-oh-oh-oh-oh! Whoa-oh-oh-oh, I'm
In Engineering! In Engineering!

F-star-G, inverse cos
It's a convolution I suppose
I'll add Laplace to fit right in
Whoa-oh

I integrate, differentiate
Taylor Series will seal my fate
This is it the Apocalypse
Whoa-oh



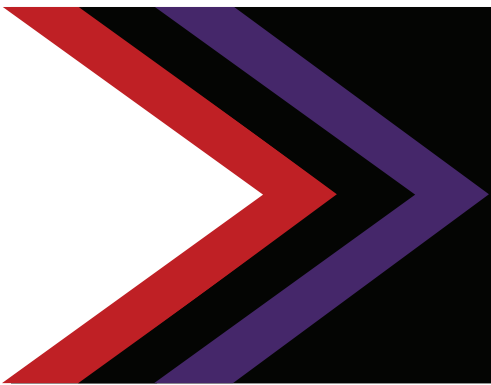
I'm sitting down, my pencil in my hand
Three hours of calc I just can't stand
Welcome to the Field House! To the Field House
Welcome to the Field House, to the Field House
Whoa-oh-oh-oh-oh! Whoa-oh-oh-oh, I'm
In Engineering! In Engineering!
Whoa-oh-oh-oh-oh! Whoa-oh-oh-oh, I'm
In Engineering! In Engineering!

All problems solved, pens haven't died
Hands are so cramped, my brain is fried

I'm sitting down, my pencil in my hand
Three hours of calc I just can't stand
Welcome to the Field House! To the Field House
Welcome to the Field House, to the Field House
Whoa-oh-oh-oh-oh! Whoa-oh-oh-oh, I'm
In Engineering! In Engineering!
Whoa-oh-oh-oh-oh! Whoa-oh-oh-oh, I'm
In Engineering! In Engineering!



Now you can have this song stuck in your head during exams



Becasue ain't nobody got time (or money) for that



Arlin "Simba" Otto
- Arch Eng IV -

It's midterms and let's be honest with ourselves...there have been way to many trips to Timmies and too many everything bagels up in here. I hate to be the one to tell you but exams are coming up quick... Also, cooking at home is less expensive than eating out... it just takes a little more planning.

Here's my list of must-make meals for the stressful season:

1) Butter Chicken Curry
(20ish mins / \$7-\$10)

You need:
1 - Large onion
1 - Can of diced tomatoes (I like the ones without added salt)
2 - Cloves of garlic
1 - Pack of "Kitchens of India – Butter Chicken Curry" paste (if you can't make curry paste yourself this is the bomb.com, it's just a spice mix but doesn't have add-

ed MSG—it's also like \$3)
1 - Can of chickpeas and/or 3-4 chicken thighs
+ 1 large pan + something to stir

Instructions:
Chop onion and garlic into little pieces and sauté with olive oil (or whatever you've got) for 5-ish minutes on high heat until the onions become clear.
If you're using chicken, cut it off the bone into little quarter sized pieces – add it to the mix and make sure it cooks thoroughly.
Add the spice mix and stir it in until it coats everything you have in the pan.
Add the can of tomatoes and chickpeas (make sure to rinse them) into the pan.
Stir well and turn down the heat.
Let the mixture simmer for 5-10 mins to let the tomato juice boil off and turn into less of a soup.

If you want to put this on rice, put on your rice (1 cup rice: 2

cup water for white rice) when you start sautéing the onions. Stir every couple minutes to prevent the rice from sticking to the bottom or boiling over. It's also really good with naan.

This makes about 3-4 portions for me AKA all the lunches.

2) Chickpea Bocconcini Salad
(10mins / \$8)

You need:
1 - ~200g container of Bocconcini (I like Tre Stelle mini mini Bocconcini... I buy them when they're on sale or rocking that "50% reduction for quick sale" sticker) or similar amount of Mozzarella cheese.
1 – Can of chickpeas (I like the PC blue menu ones that don't have added salt)
2 – Green onions
1 – Bell pepper (I like red/orange but green peppers are cheaper)

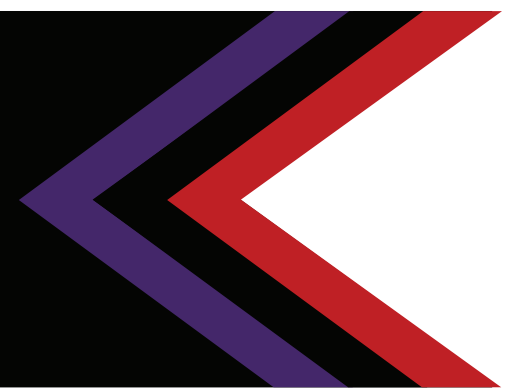
+ Favourite salad dressing or see

alternative dressing below
Instructions:
Rinse chickpeas in a colander to get ride of the gloopy liquid in the can with them. Place them in a large bowl where you can combine ingredients.
Wash and chop green onions thinly, use the white part and most of the green part but not the very top of the leaves or the roots.
Chop the pepper in little squares about the same size as the chickpeas + remove the seeds from the center.
Chop Bocconcini/Mozzarella to similar size, if you are using large Bocconcini this is likely in 1/8th's and mini mini ones in half.
Combine all ingredients and add your favourite dressing.
As an alternate I add 2 tablespoons olive oil, 2 tablespoons balsamic vinegar + salt/pepper/basil/dill to taste.

This makes 2-3 lunches for me.



COLUMNS



You know it will be good spaghetti when there is a Grandpa Fred involved

3) Grandpa Fred Spaghetti (GFS)

(22min + bake/broil & \$13)

This is a family tradition for me and my go-to comfort food.

You need:

1-1.5 cups – Salty meat (Hahaha), I mean cooked bacon, ham, I've also made it with spicy salami
3-4 - portions of spaghetti
1 - Can of diced tomatoes
1 – Large onion
2 – Cloves of garlic
2 cups - grated cheese (or more, cause cheese)

+ Italian spices (i.e.: basil, oregano, pepper, parsley, etc.)

+ Big pot to cook pasta + stirring utensil + large pan + glass container to bake in (I use the largest of my glass-lock Tupperware without the lid)

Instructions:

Boil water in a large pot.

Combine olive oil, diced onion, and chopped garlic in a large pan on high heat until onions are clear (5-7mins).

Cook that pasta (please don't mess this up).

Add spices to your onion mix + add cooked salty meat, fry this up so it's a little crispy.

Add diced tomatoes to the mix and boil it down to a pasta sauce

consistency.

Layer sauce, then cooked pasta, then sauce, then cooked pasta until you run out.... You should plan to have some sauce on the top so you don't have a crunchy mess on top when you bake it.

Sprinkle the cheese on top.

Bake at 375-400°F until the cheese in the middle bubbles (timing for this depends on how big of a container you made).

This makes 4 meals for me!

4) Homemade Fettuccini Pesto Alfredo

(12mins/\$4)

Let's talk about how much I love Alfredo. You can make this with stuff you likely already have in your house. #wow

You need:

1-2 portions of pasta (you do you)
1 - Cup of milk
1 – Tablespoon of flour
1 –tablespoon of butter or margarine
½ - tablespoon of pesto (I like Classico)

+ 1 large pot to make the pasta + one smaller pot to make sauce + whisk

Instructions:

Boil water for pasta.

Place butter and flour in the small pot and place on medium heat... this will melt and make a paste.

Cook pasta.

Add milk slowly to the butter/flour mixture, you will need to whisk the mixture to get the chunks out. Once you've got rid of the chunk add the pesto.

Whisk slowly and keep the mixture on the heat. The flour and the Parmesan in the pesto will thicken the mixture, but milk burns easily so stirring is important.

Once you're happy with the consistency combine it with the cooked pasta!

TA DA! Also its great is you have some leftover chicken / veggies / beer.

Makes 1-2 meals for me!

5) Shrimp Pineapple Fried Rice

(22mins/ \$14 dollars)

You need:

2.5 – cups of cooked white rice (make this before, you can store rice in the fridge for 4-6 days... fried rice turns out better if you use cold rice)

1 – Can of pineapple (you want chunks not crushed/tidbits)

1.5 cups – uncooked frozen shrimp (these go on sale every 2-3 weeks)

1 cup – chopped fresh veggies (think peppers, celery) or Asian

frozen stir-fry mix

1 – Large onion

2 - Cloves of garlic

+ Fish sauce + soy sauce + Sriracha/Frank's red hot to taste

+ Large frying pan + 1 small frying pan

Instructions:

Place the frozen shrimp in warm water in a bowl and set aside.

Start sautéing the diced onion with oil over medium heat in the large pan.

Once it is almost cooked add your veggies.

Add the pineapple (make sure it's drained!) and let the whole mix get a little crispy. Add the rice and stir it all together.

You can increase the heat a little to get that rice fried, turn the mix every couple minutes.

Drain the shrimp and remove the tails.

In the small pan, add olive oil and crushed garlic to the pan, then once hot add the shrimp.

You want to cook the shrimp until pink on both sides but not much longer than this. Combine this with the rice mixture in the other pan.

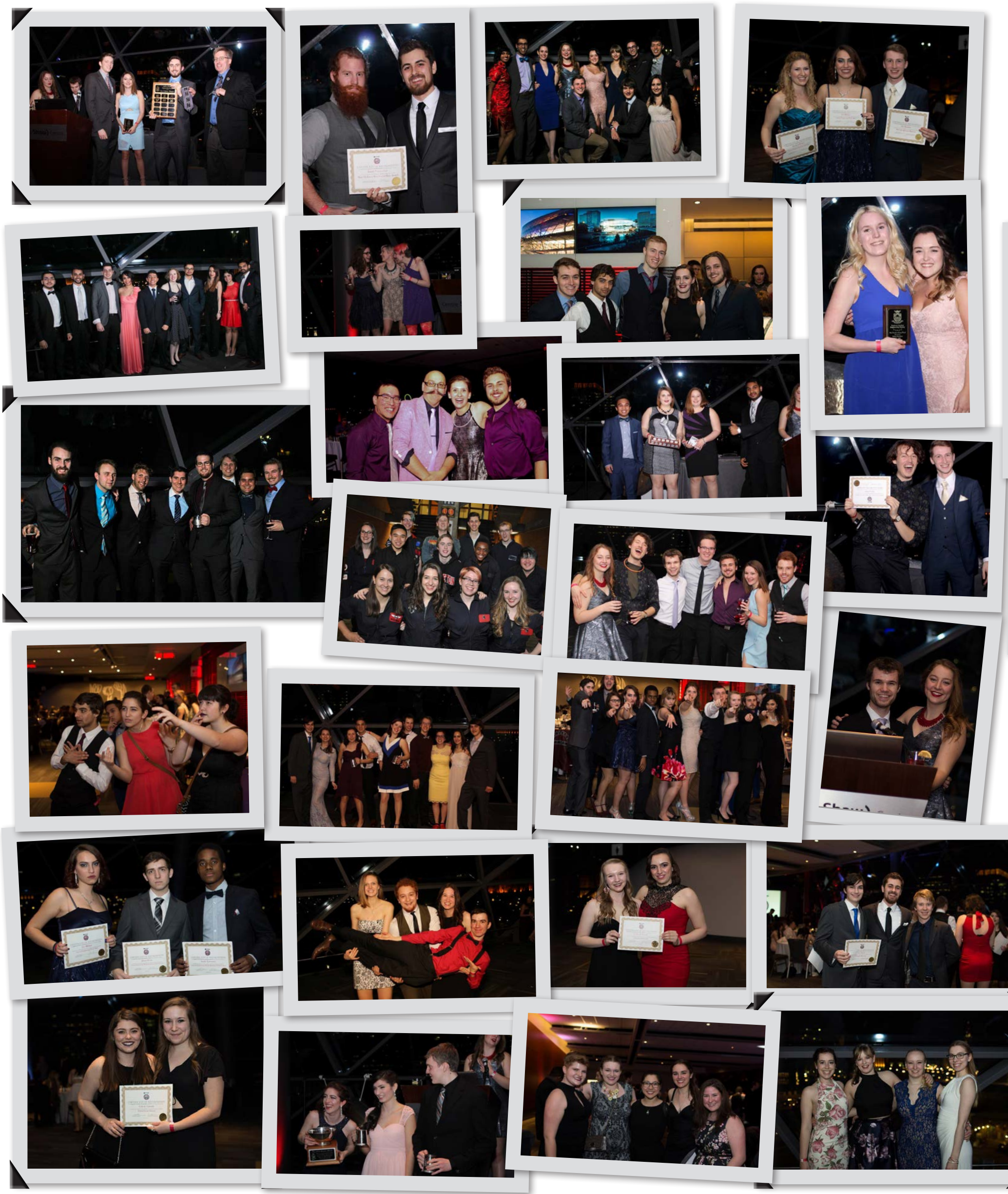
Makes 3-4 meals.





GALLERY

So many good looking people with good looking awards



A stylized graphic of a double-headed arrow pointing left and right, composed of parallel lines in purple, black, red, and white. The arrow is formed by two sets of parallel lines meeting at a point in the center. The left set of lines is purple and black, and the right set is red and white. The background is black.



13



REPORTS

But not actually calling, because talking to people is scary



Cameron Wong
- AERO B III -

The Carleton Engineering community loves extroverts. Extroverts thrive in social and highly stimulating environments and the C-Eng community knows just how to accommodate them. Whether it is with events like EngFrosh, FSK, Troitsky, Whirlwind, Yuk Yuk's, or with conferences like CFES and ESSCO, there are many opportunities socialize and have fun. What makes the C-Eng community even better, however, is its ability to provide an environment for introverts as well.

The terms "introvert" and "extrovert" were coined in the 1920's by psychologist Carl Jung to compare the personalities of people who were highly talkative versus those who kept a more reserved demeanour.

There is a common misconception that introverts are antisocial and have poor social skills, or, conversely, that people who talk more have better social skills. While some introverts may

have poor social skills, many extroverts share this trait: surely we can all think of a few people who talk more than anybody, but who don't necessarily have the best social skills either...

Although introverts generally prefer minimally stimulating environments, they still enjoy social interaction. The difference between introverts and extroverts, however, is that introverts often need to isolate themselves to gather their thoughts after engaging in social situations with large groups. For example, where an extrovert finishes a day at National Engineering Week (NEW) events and wants to go to Ollie's after, an introvert will finish a day at NEW and require some seclusion to recover from the social interactions. In other words, introverts like to be social as well, but require solitude to gather their thoughts and concentrate.

Given the choice, introverts will devote their social energy to a small group of people they care about most, preferring a glass of wine with a close friend to a party full of strangers. Introverts think before they speak, have a more deliberate approach to risk, and

enjoy solitude. They feel energized when focusing deeply on a subject or activity that really interests them. When they're in overly stimulating environments (too loud, too crowded, etc.), they tend to feel overwhelmed. They seek out environments of peace, sanctuary, and beauty; they have an active inner life and are at their best when they tap into its riches.

Studies show that 33-50% of the population is more introverted. Introverts include figures like Albert Einstein, Steve Wozniak, Rosa Parks, and Mahatma Gandhi, to name a few. As Susan Cain suggests in her novel, "Quiet: The Power of Introverts," since so many of us are introverts, the encouragement of extroversion alone can limit society's true potential.

I must stress we are all individuals and have personalities which lie across a spectrum between extroversion and introversion; we are not merely one or the other. For example, I consider myself an ambivert: someone whose personality falls right in-between extroversion and introversion. In the C-Eng community, I've found a place that's accepting of both of my extroverted and introverted sides.

As engineering students,

we have diversity like no other department. We have clubs and societies for everything. If you like planes, formula racing, biology, robotics, architecture, computers, or many more they have you covered. If you have interests outside of engineering, like music, writing or athletics they have you covered with the C-Eng Musical, The Iron Times and intramural teams. Directorships are also great if you want to work closely with one of CSES's awesome Exec's, and sometimes work in small groups. These are all activities where introverts can get to know a smaller group of people and contribute ideas and opinions they otherwise would not have in larger, more overwhelming groups. This is how we incorporate everyone into our community, and how we show support for those with dedication.

It's never too late to find a new way to get involved, learn some new skills, meet some new people and pursue your passion. As we near the end of the year and trudge through the ungodly, mildly traumatizing, rage-inducing experience that is exam period, remember to keep an eye out for all of the great events, clubs and societies C-Eng has to offer for next year!



REPORTS

There is no doing well, just bare minimum survival at this point

What's in Your Exam Survival Kit?



Andrew Musgrave
- CIVIL I -

Well, it's April and we all know what that means: it's time to run headfirst at that huge ugly wall separating us from the summer break. It's exam season.

Maybe exam season isn't the best time of year, but with the right preparation it is possible to

survive with only moderate damage to your sanity and your GPA. As a first-year I may not have the most experience with writing exams, but as a first-year I also think I know what I'm talking about, so I'll give advice anyways.

One thing I found helpful last semester was to get everything I would want for stress-induced studying and caffeine-fueled all-nighters in one place before I actually needed it, allowing me to focus on the studying itself when the time comes. I like to think of it as my exam survival kit. It's kinda like a zombie apocalypse survival kit, but a lot less fun to think about. So what goes into

an exam survival kit? Here's a few categories I've come up with:

Snacks: When you spend all day buried in a pile of notes, textbooks, and practice problems, it's easy to be so busy studying that you completely forget to eat. I find it helps to always

have snacks on hand so you can eat while you study. But this is a dangerous game: if you overdo it you might end up being so busy eating that you completely forget to study.

Caffeine: Like most engineers, I've noticed that I'm quickly developing a full-fledged caffeine addiction. But don't worry, this is a good thing! Caffeine not only has been proven by science to temporarily make you smarter, but it also helps you to not feel the fact that you've only slept six hours this week. I don't know about you, but that sounds like a pretty good deal to me. That's why I always have a steady flow of coffee going around exam time. Not into coffee? No problem! Energy drinks, tea, and caffeinated chocolate work just as well. Whatever your preferred caffeine source, just make sure you have it within arm's reach at all times.

Music: Having the perfect study playlist can have a huge effect on your productivity. However, tastes in music vary so widely that I can't really know what'll be on anyone's playlist but my own. Whatever you choose to put on your playlist, make sure it fits two

criteria: (1) it's interesting enough to keep you from dozing off, and (2) it's not so interesting that you end up doing more jamming out than actual studying.

Supplies: There's nothing worse than getting to the library for a day of studying and realizing that you're out of paper, out of pencil lead, or forgot a textbook or binder. That's why I find it's worth putting a bit of extra effort into organization during exam season. This is especially true for me, since during the rest of the year my room tends to look about as organized as a hurricane. So make sure you know where everything is, have extras of everything, and keep all your textbooks and binders in one place. Every little thing you do to stay organized pays dividends at this time of year.

Hopefully, with these necessities in your survival kit, you'll be able to push through and make it to that faint light at the end of the tunnel. All that's left now is the exams themselves. And that's the easy part, right? *nervous laughter*

Feel ready? No? That's the spirit!



My Drunk Resume That Drunk White Girl

myonlyemailthatdoesnt
have69init@cmail.carleton.ca

Ur mom's house. *high fives
self*

Objective:
To trick you into thinking that I am super passionate about whatever entry level position you're going to underpay me to fill.

Experience/Skill(z):
-Can rap most of 'Fancy' by Iggy Azalea
-Can quickly and efficiently easi-

ly finish off any of that pesky food left in the office kitchen

-I WILL ALWAYS TELL YOU WHEN YOU HAVE FOOD IN YOUR TEETH BECAUSE I AM NOT A SOULLESS MONSTER UNLIKE EVERYONE ELSE IN MY LIFE

-Once I held my breath for like 30 seconds

-Can beat an Irish sailor in a drinking contest

-Scary good at farting inconspicuously in public

-Excels at Excel

-^and word play

-Is consistently underdressed, therefore making you look like

you have your shit together (you're welcome)

-Last surviving Caucasian female on the planet that can correctly use your/you're

-Has seen Star Wars in IMAX 3D

-Is currently ranked in the top ten in Canada for '30 Rock' on quiz up

-When I show up to work still kinda drunk I'll clean your whole office

Work Experience:

Babysat and worked a generic part-time job for last 1-2 years of highschool. Duh.

Volunteer Experience:

Like 2-3 thing that accumulated to 40ish hours. I'm like so passionate about like poor people and kids

or something.

Interests:

What every past times/hobbies that you had in your Facebook profile. OMG we have soooo much in common you should hire me.

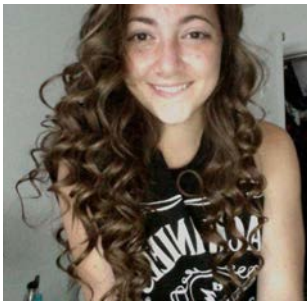


Now that is how you write a resume



REPORTS

Because we marry our professions, after dating for a few years of course



Tina Lacava
- V -

In the End We All Get the Ring

I'm in what has felt like my twentieth (and final) year of engineering. Actually, it's only been five years. But still, being in your fifth year of a four-year program can give you some wisdom.

The way I see it, there are three types of people who you'll find in engineering. First there are the ones who give off the aura of being born to be an engineer. These are the ones I imagine having a constant soundtrack of "We Are The Champions" playing in their head while walking the halls of Mackenzie. But I've realized that these guys have different reasons for ending up with this persona. Maybe their parents are engineers and they've been told they would one day be one since they've been in diapers.

Einsteins and the Newtons of the world.

Next there are the coasters. To be honest, these are my favourite. These are the guys that wait until 11:45 to start the assignment due at 12:00. But the trick about these guys is that they always seem to pull it off, and ask themselves how great they could be doing in school if they just started a tiny bit earlier. And then they never do. Ever. Not once. For five years. But they get through the program, one all-nighter at a time, and through it all they always seem to keep a smile on their face.

On the other end of the spectrum, there are the ones who never really feel like they belong. And these are the guys I've come to care about. Here's the thing:



you'd be surprised at how much you are capable of.

As our generation is obsessed with lists, here's my list of how to survive engineering, feeling like an outsider:

1. In any sort of collaboration, don't let anybody bully you into not doing work or having the responsibility of "making the title page", just because they sound like they know what they're talking about. From experience, being too confident is a thing. And gives what I like to call "arrogant tunnel vision".
2. For the ladies, do not feel like you are an outsider because of all the people that say: You? You're in engineering? But you're too pretty to be in engineering. Do you miss seeing girls? Do you love that you are the only girl in your classes? For the record the answer is yes, yes, what does that even mean, sometimes and no. Definitely not.

3. Do not let the school-gifted make you feel poorly. Of course, try your best to time manage. But if you're feeling a little blue (which isn't uncommon), watch that 1 or 2 or 8 episodes of Friends and put the Matlab code down. Who cares if Hercules has finished his (or hers) already.

4. And the most important of the list: fake it until you make it. It is in you, even if you're the last one to believe it. Even if you don't feel like you belong – pretend. Look at those kids who have basically been fitted for an iron ring since preschool. And fake it! Ask the "stupid" questions, get involved, and be confident. One day you won't have to fake it anymore, because you'll be that person. I promise.

Here's the kicker: no matter what path, we all make it to the iron ring.

COLUMNS



Now who will Freddie first year ask important questions to?



AskBae

Dear [redacted] munchers,
Uh... thanks for reading, I guess. First off we'd like to thank the Iron Times and the Editors for publishing our shit. We personally have enjoyed submitting pure garbage to the newspaper along with the ruthless responses we received in return. Sadly we are graduating (lol jk) and will not be writing next year. If you've enjoyed our column (at least what got printed #Cn[redacted]o[redacted]s[redacted]i[redacted]) and think you can uphold the standard, please email us at askbaeloves-trump5ever#2016@lemonparty.org to take over our spot.

On moving out:
So you're ready to move out and don't know where to start. First things first, y'all [redacted]ther[redacted]kers are gonna need some kitchenware because you can't go to the caf anymore

so head on over to the caf and stock up on forks and knives. Even some plates and cups too if your pockets are big enough. DISCLAIMER: please don't steal from the school as you will get in trouble (and if you do get in trouble, don't say we sent you).
Remember when you had all that great help from EngFrosh carrying your shit from your car to your room? Well we hope you enjoyed it because that sure as h[redacted]ll ain't happening now [redacted]ther[redacted]kers... Pop your own trunk, [redacted]hole.

On decorating the new place:
You're gonna need some artistic flair and clever cover ups which we know you engineers can't come up with on your own so here are some ideas to get started.
• Step one of parent proofing your house is to simply not invite them ever (DISCLAIM-

ER #2: This does not bode well when you need a loan... they'll come anyway).
• Step two, buy a canoe.
• Step three, toss some flowers in that 'vase' you got from... 'that place' (see figure 1.)
• Step four, don't break the door.
• Step five, turn down the wattage in your cottage. A simple sharpie mark can change a 94 to a 9 and your parents will never know how silly your alcoholism has become (see figure 2.)
• Step six, always go out with a bang (CATALINAAAAAAA!!!!)

Love,
SD, JLL, HLS, GS, CS, DC, SS, and PN

Special thanks to:
Ryan Waddell, Rebecca Feddema, Kanye West, Jesus Christ, Childish Gambino, and Sharon from the Omelet bar.

P.S. Before we leave we'd like to thank exec for a great year and let you in on some little known facts about them

(DISCLAIMER #3: "These may all be made up" #sorrynotsorry)

Jasmine - President - has had a [redacted]e[redacted]h[redacted]n[redacted]e.... (was [redacted]or[redacted] as ja[redacted]i[redacted])
Julia - Internal - secretly loves [redacted]lily [redacted]h[redacted]
Ben - Academic - Enjoys [redacted]a[redacted]t[redacted]n[redacted] into [redacted]l[redacted]r[redacted]h[redacted]l[redacted]s
Michael - Services - [redacted]er[redacted]s o[redacted] with [redacted]r[redacted]i[redacted]
Ryan - Publications - is an exotic dancer
Sasha - External - w[redacted]a[redacted]s his f[redacted]s- [redacted]n[redacted]s to b[redacted]
Justine - Finance - l[redacted]s in a h[redacted]l[redacted]w[redacted]h[redacted]u[redacted]
Erin - Social - gets o[redacted]n [redacted]r[redacted]l[redacted]l[redacted]c[redacted]a[redacted]t[redacted]t[redacted]rs (does not attend [redacted]nd[redacted]r[redacted]nd with her f[redacted]m[redacted]l[redacted] any more...)





REPORTS

Because click-bait titles work in print as well

Things I Wish I Knew About Having An Iron Ring (#11 will SHOCK YOU)

By The Brothahood of SOOPP



Since Ring Day was just around the corner, the Brothahood has decided to pool some of our collective knowledge and experience to give you new and future grads a heads up of what to expect after putting on your ring.

- 1. Finding the One Ring - Try a few rings, but don't push it past the last knuckle until you are pretty sure it's the right size. Otherwise you will pick one that is too big and you will lose it. That's \$30 and a trip to the concrete shit box of UOttawa, and an old man will frown disapprovingly at you.
- 2. Bevels - Once you have found the size you want, look at a few of that size and pick one with nice bevels. No one wants a plain metal ring with lightly dented edges. Also make sure it is nice and shiny, and someone hasn't pulled a fast one with their old, beat up, ring. Who knows what that's been inside of.
- 3. Day 1 - You will start playing with it immediately and your finger will swell, turn red, and be slightly uncomfortable. This is normal for the first few days. If you give in and get a bigger ring, you better be prepared to go get another one because you will lose

- it. This may happen while opening a bottle, firing it across the bar, or it may just fall off in your gloves (Another \$30 and some disapproving stares).
- 4. Partying - You can now be the life of the party and open everyone's beers. Ask a few graduates how to do it, then give it everything you got. Don't be afraid of that cap or you'll cut yourself!
- 5. First aid - Now that you have cut yourself, you will need a Band-Aid. Bring a few extra with you whenever you are going out until you have mastered popping bottles. We would recommend that they are Disney Prince and Princess ones so everyone can see your shame and avoid asking you for an assist.
- 6. Ice, Ice, Ice! - The day after your ring day, you'll undoubtedly have lots of swelling and your ring probably won't come off your finger. Don't panic, ice the swelling and let your cuts breath. You'll be ready to pop more bottles in a few days.
- 7. Uptown funk - Tap-tap, Tap-tap, tap-tap-tap-tap. You'll be driving everyone around you nuts with the incessant tapping of your ring on the table, mug, railing, wall,

- and any object within reach. Don't worry. That never stops.
- 8. Washing your face - You will scratch your face every time your hand comes near it. Those new bevels are sharp for the first while so watch out. Oh, and if you've lost it (Another \$30 and now he's just disappointed in you), you've had to go through the whole scratching process again.
- 9. The fine china - You will also likely scratch dishes when washing them or surfaces when you wipe them down. Be careful with the antique Value Village table!
- 10. Can't get it off - Keep a pair of large wire cutters around when doing home renovations, working on the car, etc. Crushing your ring onto your finger is not something you want to last long. Similarly, if you have jammed or think you have broken your finger, take your ring off immediately. Otherwise, get out the wire cutters. Use bolt cutters and take a video to show how boss you are and make the front page of Reddit.
- 11. Smells like burning - Also be careful around outlets, and wires with little-to-no insulation.
- 12. Name recognition - People will randomly start asking you

- a b o u t where you work, what school you went to, and then immediately tell all of their family members that are engineers, where they work and what school they went to. Do old people ever shut up? Reminds me about when we hung onions from our belts, as was the fashion at the time...
- 13. Beam me up! - Iron is magnetic right? Good thing your ring isn't iron. No matter how much you try to convince yourself it will work, that magnetic screw driver won't get it back from the drain or crevice you dropped your ring into. It will forever be just beyond your fingertips (\$30. Maybe you should ask for a bulk discount).
- 14. You know nothing Jon Snow! - And last but not least, this ring shows you can learn, adapt, and apply a high level of knowledge to solve problems in this world. Keep your eyes and ears open throughout your career and life. There is always something more you can learn.

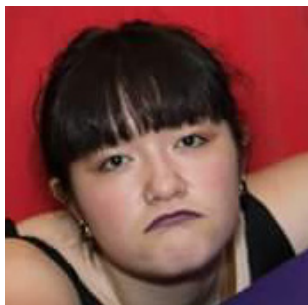
Great job getting this far and the best of luck in the real world!



REPORTS

Wow Melissa, you look really excited about it

I won \$500 Dollars from SOOPP



Melissa "Jill" Illing
- COMP SYS I -

If I told frosh week me that I was going to win \$500 for being myself I don't think it would be a huge shock because I'm incredible. But the amount of people I've met and the great times I've had over my first year have been better than I could have ever hyped up. Of course I spent a long time thinking about if this money was going to be saved or spent on buying Rachel poutine (it's a tough choice, Rachel is really flexible).

I was scrolling through ThisIsWhyImBroke.com and I came across "The Platinum Stage Hitch Pole is the world's only dancer pole that can be attached to the ball hitch of any truck or SUV. The Hitch Stage has a 3 foot x 3 foot platform that floats approximately 5 feet from the ground and has approximately 7 feet of usable pole. The Hitch Pole frame and stage is made of the highest quality steel which allows it to support to 200lbs. The pole is available in genuine high polished stainless steel and genuine high polished brass, it is also available in a 1.75-inch or 2.0-inch diameter. The pole also breaks down into two pieces which allows it to fit in "any size car" and right away I knew that this was the only thing I could even think about spending my money on, and it was a dollar under budget at \$499!!

So right away I cashed in my cheque and was ready to buy this stripper pole, which the retail price was \$699.00 (so I'm actually saving more). As I'm checking out the total come to \$563.87

(which is really \$563.85 because we don't have pennies anymore). I FORGOT ABOUT TAXES...idiot. That's \$63.90 I don't have in my budget for a traveling stripper pole. Thanks to taxes, the most expensive thing I can buy has to be \$442.50 or less (light up Nike snow boots). What's the point of winning \$500 if you can't even spend it all on the thing you want? Nothing, because capitalism has no point and has gone too far in our society.

We go through life with the ultimate goal of surviving through capitalism and how can that goal not be complete without the Platinum Stage Hitch Pole?!?!?! Forget about Trump, a bigger evil is already here. THE BOURGOISIE! If not for the upper class scum, I would be dropping it low and dutty whinnin on the back of a truck today. Our class based system is actively oppressing my right to get nasty on the I-95. If our working class comrades joined together and unionized, we could seize the means of production and overthrow our oppressors. I believe that the right to gyrate on a hitch connected stripper pole is a universal one.

I call upon you fellow engineers to help me dismantle the class system and redistribute the wealth. The goods you work to produce and the benefits reaped from them should go to your pockets and the pockets of the people not to pockets of big wig fat cats who only seek to turn us against each other. No longer shall you rely on spare change to buy a cup of ramen noodles. We must create a world where everyone can buy a Leo's sandwich whenever and however they want. Not just those of privilege!

And then I realized that I don't even have a car to hitch this to. On the bright side I have bangs now.

*Give thanks to Matt Healey - Communist Consultant



Be the center of attention at the slopes this winter when you wear the light up snow boots. Featuring an eye-catching illuminated Nike swoosh design, these snow boots are also made with customizable flex and lunarlon cushioning to offer a soft yet responsive ride.

\$430.00

♥ 455 saves

Check it out



For the ho on the go, the towing hitch stripper pole can cut out the middle man and let you become a true street performer. Simply hook up this professional grade stripper pole to your truck or SUV, and put on a raincoat because it's going to be raining singles.

\$499.99

♥ 752 saves

Check it out



Alec Sleeth
- CIVIL I -

CSES Year End Review

Well the end of the school year is upon us and before we bid farewell, I have decided to do a review of all the CSES executives this year. I will not focus on the council since it would take too long. I am doing this in hopes that this could be introduced next year as an actual thing, but until then this will have to do. Before beginning, I do not intend to hurt or insult anyone as this is only an article in the beautiful Iron Times and should never be taken seriously. **DISCLAIMER:** I don't have much information on their platforms besides their Facebook campaign pictures. Alright, let's begin.

President: Jasmine Shaw
Jasmine's platform this year was to focus on strategic planning, mentor council and have a strong relationship with student groups. Now I don't know what that means and I can't really comment on what was accomplished of her platform, but I can say something on student groups. I can talk about the best student group, CSCE! Did you know that you can get a membership for \$5 which includes 100 pages of free printing and access to all their events and the textbook library?! That's so sweet!

Pros: Jasmine puts effort in her eyebrows and they look awesome, and I appreciate nice eyebrows and so does Lucas Brewster.

Cons: I never found she would rung the gong hard enough, if it was me I'd kill it.

FINAL GRADE: 3 Chicken McNuggets

Vice President Internal: Julia Dalphy
Julia ran as a slate with Jasmine and also Justine Godin. Julia's slate this year was to implement new policy manual, increase awareness of internal, upgrade wiki and first year conference. Ok,

so again I have no clue what half of this stuff means. I am unsure why she wanted to upgrade the wiki? Isn't that something anyone can do, like it's Wikipedia? Also at the beginning of the year my best friend Brandon became her secretary. I did not really know Julia but kind I also did know her from Brandon told me, and from what Brandon told me I never wanted to even be close to her. Now, Julia is one of my closest friends, and unlike Brandon she enjoys my savagery. She always answers my questions and even studies with me because I do all the simple mental math for her.

Pros: Her secretary is pretty sweet, and her awards director is so clutch. She buys me lunch sometimes.

Cons: She doesn't have snapchat or Instagram, so don't expect a follow back and she also says prime a lot.

FINAL GRADE: 11 Rum and Cokes out of 10 Vodka Sprites.

Vice President Finance: Justine Godin
Justine's platform was to ensure complete and accurate financial records, maximize publicity of finances and maximize student group funding. I still can't really confirm what she did and didn't get done but Justine is really nice so I'm pretty sure she did all of that. Justine is super gr8.

Pros: She always talks to me at parties so that's a HUGE pro. She is also best friends with Angie, and Angie was my head for frosh so I love Angie.

Cons: Sometimes her boyfriend Kevin steals her phone and I get snapchats of him dancing around with very little clothing, but those make me laugh so I'll say that is a pro as well. And Kevin was my head for frosh so I love Kevin.

FINAL GRADE: 1 Kevin

Vice President Academic: Ben Vine
I couldn't find Ben's platform on Facebook so there is nothing for me to say, but I wasn't saying much before anyways so whatev-

er. Anyways, Ben was on my intramural soccer team and he was pretty good! Not to toot my own horn but I had 6 goals in 4 games, hola at ya boy.

Pros: His last name is pretty sweet. He also always says hi to me when I walk by him.

Cons: I have heard rumors that he has joined a frat? Like c'mon Ben are we not enough of a cult for you?

Final Grade: 2.5 Subway Sandwiches

Vice President External: Sasha Christie
Again, Sasha did not have his platform on Facebook so I can't say anything about his platform. I don't really have much to say about Sasha except for that he did not pick me for FYIC. It's all good, I had a physics test right after the conference on Monday and it was better for me to stay back and study. Even though I bombed the test, but oh well.

Pros: IDK he has a deep voice?

Cons: He wears a physics sweater a lot that reminds me of my physics grade.

FINAL GRADE: 10 FYIC Delegates (One of which is not me)

Vice President Social: Erin Hemm
Erin's platform was on Facebook, but she is not great with Photo-shop so her points are buried in a long paragraph as the caption and I don't feel like reading it. If you want to know it, it's there, go look. Anyway, Erin is without a doubt MY FAVOURITE CSES EXEC. She made sure I was lit during reflections since it was my birthday (I turned 19, OLLIES?!) and I certainly was quite lit which can be seen from the pictures.

Pros: She is super nice to me, and she lives with Lucas Brewster and he is pretty awesome.

Cons: NA

FINAL GRADE: 5 Reflections Drink Tickets

Vice President Services: Mike Lan-

ning
I am tired of looking for the platforms on Facebook so you can go look if you want. Mike Lanning is pretty awesome, he gave me a lot of expired chips during exam season so that's a win for him in my book.

Pros: He is in a band so he is constantly surrounded with girls.

Cons: His voice is deeper than mine.

FINAL GRADE: 1 Late Director Name For Certificates To Be Printed

Vice President Publications: Ryan Waddell
Ryan's platform was to *PLEASE INSERT YOUR PLATFORM HERE RYAN AS YOU READ THIS*. Ryan is pretty sweet, he always puts my garbage articles in the Iron Times, which is surprising because they are all pretty terrible.

Pros: I got drunk with him at bridge.

Cons: He went to a club LA BOOM in Montreal during bridge. How manly.

FINAL GRADE: 3 Canadian Tire Dollars

I hope you enjoyed my review of all the CSES executives for the 2015-2016 school year. I would like to thank you all on the terrific work you guys did during the year. And to the new executives for 2016-2017, hello. To everyone else, have a great summer and see you in the fall!





CARLETON
STUDENT
ENGINEERING
SOCIETY



Alexander's Office
2090 Minto Case



/MyCSES



www.cses.carleton.ca

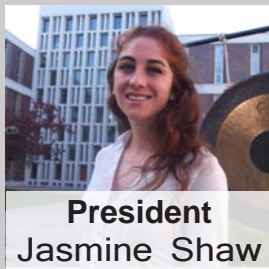


@MyCSES

WHAT IS CSES ?

THE CARLETON STUDENT ENGINEERING SOCIETY HAS BEEN SERVING THE STUDENTS OF CARLETON ENGINEERING FOR MORE THAN 35 YEARS.

ITS GOAL IS TO PROVIDE ITS MEMBERS WITH ACADEMIC, PROFESSIONAL, AND SOCIAL RESOURCES TO HELP THEM MAKE THE MOST OF THEIR FOUR (OR MORE) YEARS AT CARLETON. IF YOU'RE AN UNDERGRADUATE STUDENT ENROLLED IN A STREAM OF ENGINEERING, YOU'RE A MEMBER OF CSES.



President
Jasmine Shaw

"Another year, another term. As we wrap up the 2015-2016 CSES year, it's already time to start thinking about next year! If you're an existing student group, or if you want to start a new group, make sure to stay tuned for applications opening up in the summer! If you're looking to get involved within CSES next year, there will be a bunch of Directorships opening up shortly, so keep your eyes out for that too! Thanks for a great year C-Eng, it's been a pleasure serving you!"



VP Finance
Justine Godin

"Hey C-Eng! Everything is wrapping up really smoothly in the finance department. Your execs have done a great job this year of staying within their budgets! The deadline to submit cheque requests for Student Group Funding was April 1st, if your student group missed out on funding this year be sure to keep your eyes peeled for next year's installments to open! And on that note I'd like to congratulate Cylina El-Bouchi for being elected to take on my position next. It's been a great year and don't forget to stay golden C-Eng!"



VP Academic
Ben Vine

"Hello for the last time this year! I hope you all had a great year and are ready for your final exams. The new executives have now been elected and the transition is in action. If you have any ideas on what can be improved or what you would like to see more of, that relates to the VP Academic position, please let me know by emailing me at academic@cses.carleton.ca. Good luck on your finals and have an amazing summer!"



VP Services
Michael Lanning

"Hey C-Eng! For my last blurb of my term, I've got a couple announcements! The final installment of sweater orders closed and are on their way in! We also have some new tank top designs in, so come pick one up in CSES! I'll be working with incoming services over the summer to get everything ready for next year's merch, swag and sweaters, so that everything runs out and quickly!"



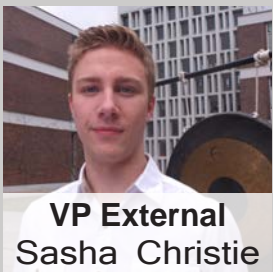
VP Internal
Julia Dalphy

"C-Eng, what a year it's been! To wrap up my term as VPI, Elections have just wrapped up, Ring Day is soon ahead, Pewter Mugs are being distributed, and our Annual General Meeting (AGM) is coming up on March 23rd! This year I've accomplished the platform goals I had of updating key Policy Manual items, making over the eNewsletter, launching an Effective Highlighting program, with Special Features and Meeting Summaries, and running a more effective First Year Conference! I wish you the absolute best on exams, have an amazing summer, and I'll see you next year! Much love, C-Eng. Stay purple."



VP Social
Erin Hemm

"Hey C-Eng! I wish I had more to update you on, but unfortunately most of my portfolio has wrapped up by now. I've had such a great pleasure serving as your VP Social over the past year and would like to once again thank all of the amazing volunteers I've had the opportunity to work alongside. It's been an incredibly rewarding experience and I've thoroughly enjoyed getting to know more of you through CSES events. As much as I am sad that my term is over, I couldn't be more thrilled to pass along the torch to Céleste Lalonde for the upcoming year. Until next time, I wish you all the best of luck during exams, and to have a great summer!"



VP External
Sasha Christie

"Hey CSES! As the school year comes to a close I want to wish everyone the best of luck with their exams! It has been a pleasure to serve as your VP External for the 2015-2016 term. I am also very happy to welcome the incoming VP External for next year, Yannick Brisebois. I am confident that he will do an excellent job representing Carleton and I look forward to seeing him thrive in this position!"



VP Publications
Ryan Waddell

"Hey C-Eng! Hope you guys have enjoyed this final issue for the year! Recently I've been working on the 2016-2017 handbook, and putting this issue together! Hope you guys have had a great year and we've been able to keep you entertained. Good luck with exams!"

JUST TALK TO ANYONE INVOLVED IN CSES, OR FIRE OFF A MESSAGE! EVERYTHING FROM DIRECTORSHIPS, TO EVENT PLANNING, VOLUNTEERING AT LEO'S LOUNGE, OR JUST SHOWING UP TO EVENTS. IT ALL PLAYS AN IMPORTANT ROLE IN MAKING ENGINEERING YOUR FAMILY AWAY FROM HOME, AND EVEN MORE IMPORTANT THAN FAMILY: EVERYTHING COUNTS FOR FLIGHTSUIT STAMPS.

PROCRASTINATION

Because this riddle is just like a big colourful sudoku

Sudokus

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

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

Einstien’s Riddle

The situation

There are 5 houses in five different colors.
In each house lives a person with a different nationality.
These five owners drink a certain type of beverage, smoke a certain brand of cigar and keep a certain pet. No owners have the same pet, smoke the same brand of cigar or drink the same beverage.
The question is: Who owns the fish?

Hints

- the Brit lives in the red house
- the Swede keeps dogs as pets
- the Dane drinks tea
- the green house is on the left of the white house
- the green house’s owner drinks coffee
- the person who smokes Pall Mall rears birds
- the owner of the yellow house smokes Dunhill
- the man living in the center house drinks milk
- the Norwegian lives in the first house
- the man who smokes blends lives next to the one who keeps cats
- the man who keeps horses lives next to the man who smokes Dunhill
- the owner who smokes BlueMaster drinks beer
- the German smokes Prince
- the Norwegian lives next to the blue house
- the man who smokes blend has a neighbor who drinks water

	House 1	House 2	House 3	House 4	House 5
Nationality					
Colour					
Pet					
Beverage					
Cigarettes					

Horoscopes

Aries

UNFORTUNATELY HAVING AN EXAM ON YOUR BIRTHDAY DOES NOT GET YOU A FREE PASSING GRADE, AT LEAST YOU’LL BE OLD ENOUGH TO DRINK YOUR SORROWS AWAY WHEN IT’S DONE

Taurus

YOUR DUE TOMORROW, DO TOMORROW ATTITUDE IS CATCHING UP WITH YOU, APPARENTLY WAITING TILL THE LAST MINUTE TO DO YOUR TERM PROJECT WAS NOT A GOOD IDEA

Gemini

YOU HAVE BEEN CHOSEN AS THIS YEAR’S SACRIFICE IN AN ATTEMPT TO PLEASE THE SNOW GODS AND FINALLY BRING SPRING, SO SORRY, BETTER LUCK NEXT TIME.

Cancer

YOUR PROFESSOR WAS NOT JOKING WHEN HE ASSIGNED YOUR PROJECT TO BE DUE ON APRIL FOOLS DAY, THAT LOOPHOLE HAS BEEN CLOSED

Leo

IF YOU THOUGHT GETTING UP FOR CLASS WAS HARD JUST WAIT UNTIL YOU START YOUR ABSURDLY HOUR-ED STUDENT SUMMER JOB. 5 AM HERE YOU COME

Virgo

ADULT COLOURING BOOKS MIGHT NOT BE THE BEST THING TO BE SPENDING YOUR TIME ON RIGHT NOW. NO MATTER HOW PRETTY THE PICTURE IS, YOU CAN NOT TRADE IT FOR A GOOD GRADE

Libra

BY SOME MIRACLE YOU ACE ALL OF YOUR CLASSES. YOU ARE NOW LABELED THE “BELL CURVE WRECKER”, SAY GOODBYE TO ALL OF YOUR FRIENDS

Scorpio

THIS SEMESTER YOU WILL BE ABLE TO SUCCESSFULLY CRAM AND LEARN EVERYTHING THE NIGHT BEFORE YOUR EXAMS. THE TRADE OFF IS THAT YOU WILL NOT HEAR YOUR ALARM IN THE MORNING

Sagittarius

LAUGHING MANIACALLY IN THE CORNER IS BEGINNING TO SCARE YOUR CLASSMATES, BEST TO KEEP THOSE VOICES IN YOUR HEAD FOR NOW

Capricorn

THE SECOND YOUR TRANSIT PASS EXPIRES WILL BE THE DAY THAT EVERY BUS COMES ON TIME, THAT IS HOW OCTRANSPO WORKS

Aquarius

BETTER GET STARTED ON TRAINING YOURSELF TO BE SOCIALLY ACCEPTABLE AGAIN, DON’T WANT TO SCARE YOUR PARENTS WHEN YOU GO HOME NOW DO WE

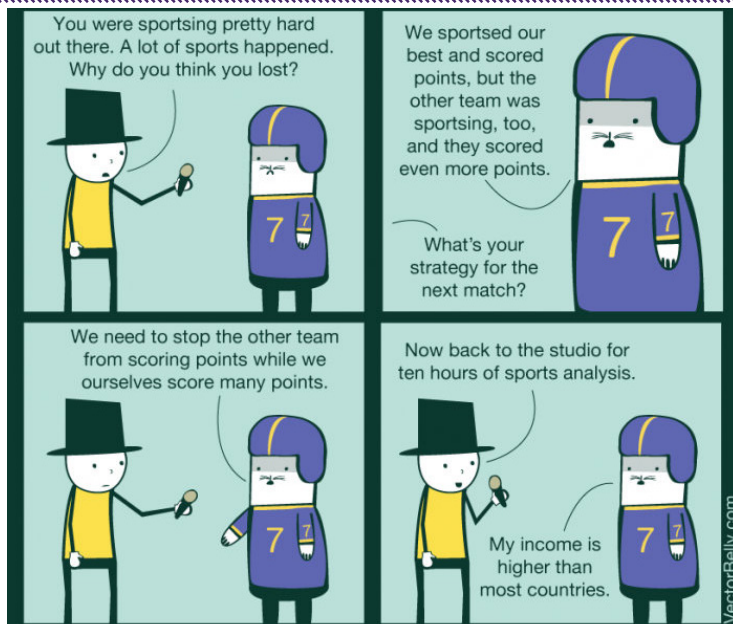
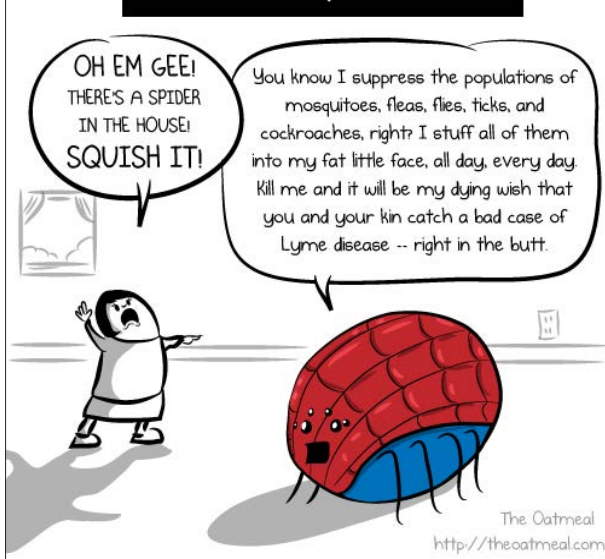
Pisces

NO MATTER HOW MANY TIMES YOU TELL YOURSELF THAT YOU LOVE COOKING, YOU WILL ALWAYS MISS THE RESIDENCE CAFÉ, DOING DISHES IS THE WORST

CENTRAL

What I hear everytime I watch sports on TV

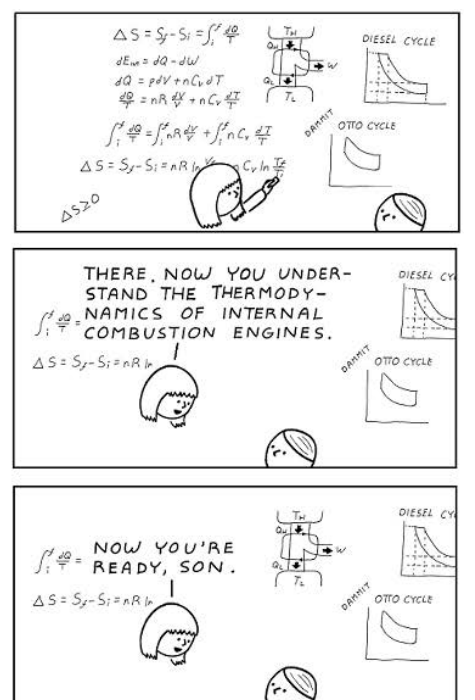
Realistic Spider-Man



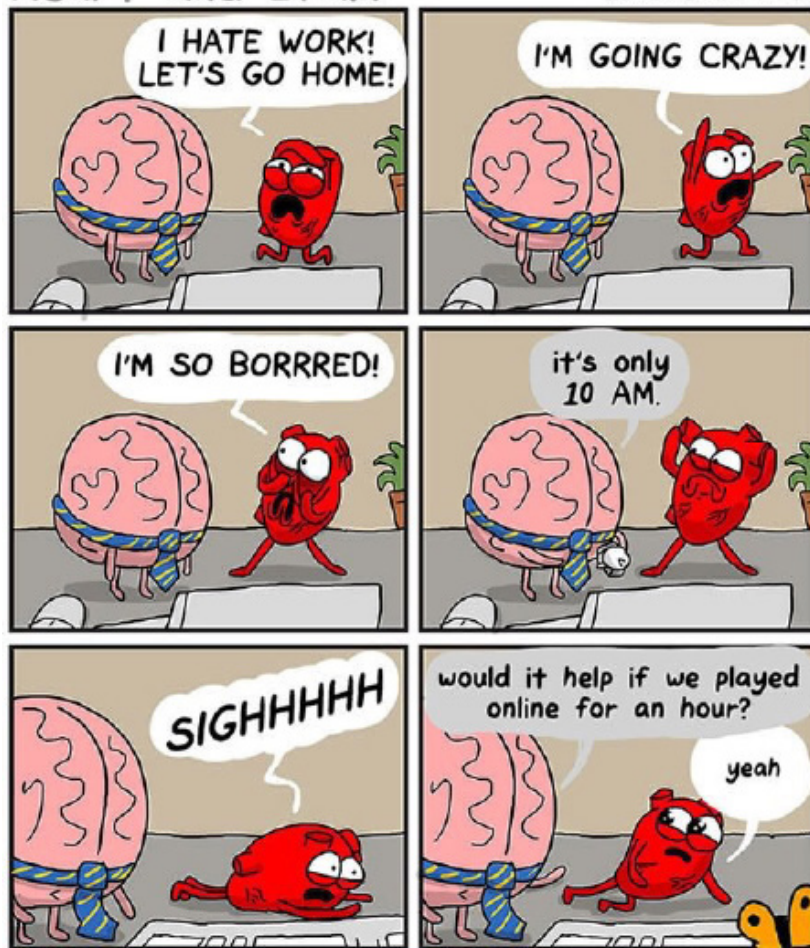
Lunarbaboon



MEASURING MY INTELLIGENCE: SCHOOL



Heart and Brain



THE AWKWARD YETI



entering the real world after college
it's kinda like this



LAST CALL

Our callsigns aren’ as bad as they sound



The Iron Lady

Rebecca “Swallow” Feddema

- ACSE III -

The Iron Man

Ryan “Hell Boy” Waddell

- ACSE III -

Hometown: Kettleby, Ontario (middle of nowhere)
CENG Involvement: Editor-in-chief of the Iron Times, member of CSCE, Leo’s volunteer, participant in various engineering events and the like, slave to residence and subsequently kicked out of being a frosh facilitator for the past three years :(**Favourite Supervillain:** Harley Quinn
If you could only eat one thing what would it be? Salad, anything is a salad if you cut it up and eat it out of a bowl – pizza salad, taco salad, etc.
Yourself in three words: Busy, insane, ginger
If you were trapped in an elevator who would you choose to be trapped with? My mom, she’s great and I love talking to her in person
What ice cream flavour are you? Death By Chocolate i.e. the best of Kawartha Dairy
Three wishes:
1. the ability to succeed in anything I try
2. a bottomless bank account
3. a Bat-cave fit for Batman himself
Would you rather be able to fly or breathe underwater? Breath underwater – swim all the laps, do all the diving, sing in the shower uninhibited!
Steel, concrete, or wood? Wood, it smells the best

Favourite thing about CENG? The crazy people I have met who mach my level of wierdness perfectly

Hometown: Good ol’ O-Town
CENG Involvement: Leo’s Volunteer first and second year, EngFrosh three years (one Frosh, two Facils), Troitsky Team Member second year, Troitsky Team Captain third year, CSES Vice-President Publications third year
Favourite Supervillain: The Joker
If you had to eat only one food for the rest of your life what would you chose? SPAHGOOTER!
Yourself in three words: Happy go lucky
If you were trapped in an elevator who would you choose to be trapped with? The elevator technician with all of his/her tools
What flavour of ice cream are you? Mint Oreo
Three wishes:
1. Never need to work again unless I choose to
2. My own personal jet/pilot/gas supply
3. Unlimited wishes
Would you rather be able to fly or breathe underwater? Fly
Steel, concrete, or wood? WOOD. Always wood...or a mix... but mostly wood.

Favourite thing about CENG? The sense of family and comradery we seem to build amongst one another

USES for the CHARLATAN

- > Form make-shift umbrella for when you follishly exit the tunnels
- > Convince the enviros to use a few copies as water filter media, ink isn’t that toxic
- > Use to wrap and store your stockpile of res cafe food, no groceries for you
- > Crumple up and form into a free mattress for your new off campus housing
- > Try to mirror some of the formatting for your final CCDP paper, linguistics profs like the Charlatan, right?
- > Pack all of your things!
- > Use to start the fire you will use to burn all of your notes with after your last exam
- > Use to wipe your tears as you realize you probably should have kept most of those notes your burned for next year
- > Fill your windowsill with paper flowers, as you watch it snow whenever it gets warm out
- > ~~You could read it~~

Editor -in-Chief
Rebecca Feddema

VP Publications
Ryan Waddell

Thanks To:
All of the fantastic writers, columnists, photographers, and the like who filled these pages with their wonderful nonsense, and the lovely editors who made it all make sense.

- Footnotes -

This Issue Brought to you By:
• 12 Tim Horton’s coffees (because when it’s roll up the rim Starbucks doesn’t cut it)
• 6 tests of the export to PDF function
• Three fabulous editors, checking all the grammar and spelling!

Apologies:
To all the other campus papers, we are sorry you can’t match this level of weird



THE IRON TIMES WITH RETURN IN SEPTEMBER