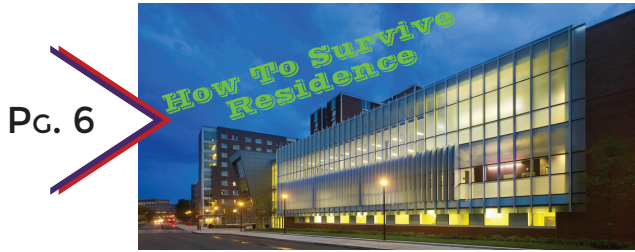




Pg. 4



Pg. 6



Pg. 16

THE CARLETON STUDENT ENGINEERING NEWSPAPER

THE IRON TIMES

TIMES ARE A CHANGIN'

MYCES.CA/PUBLICATIONS/IRONTIMES

OCTOBER 2017

October is... Breast Cancer Awareness Month Big or small, let's save them all

Hello from your local Breast Cancer Awareness Committee. This year's committee is made up of Teo Blidaru, Chantel Lepage, Courtney Kester, and Maddie Snelgrove. We are all so excited to be helping such a worthy cause. We have lots of events planned out for y'all, some of which are a bake sale,

a coffeehouse, pink sweater orders, patches, an info session led by a local charity called Breast Cancer Action, and a special event at the end of the month (look out for more info shortly). Stay tuned on Facebook for the location and date of each event. Speaking of BCA (Breast Cancer Action), let's tell you more

about them! They are a local Ottawa non-profit organisation, focused on helping women and men suffering through breast cancer as well as their families. They provide support and help navigating all the resources available in this day and age. We hope to see you out at some of the events this month!

Love from,
Your Titty Committee.

THIS MONTH, WE ASKED:

What does Breast Cancer mean to you?

Anon: A sickness that can affect anyone, no matter how strong you are.

Ahmed Abdalla: A terrible disease that was taken the lives of many people.

Benjamin Bichel: A very sad disease that can and does continue to affect many people. More or less just sadness.

Quinn: Takes an extremely strong person to fight through it.

Oksana Christie: Cancer in general is horrible and has endless contributing factors. What bothers me slightly about breast cancer is the fact that women push up their boobies for aesthetic purposes and, as such, increase their risk of breast cancer. We must be educated.

Anon: It's a terrible disease that happens to good people. It creates the strongest warriors.

Margot Vandesande: A disease that can and has ripped mothers and sisters from their children and families.

Marisol: It means the unnecessary death of women.

Andy Curtis: My grandmother had breast cancer, it's an illness that is painful to watch and even more painful to go through, I imagine. My family and I raised \$50,000 towards the Princess Margaret Hospital specifically for cancer research. Although to me breast cancer means despair, I hope that people can someday see it as a sense of hope to be cured of it.

Noah Pacheco: Two friends/family members diagnosed. Both recovered.

William Tanujaya: It damages a lot of people's lives and hurts loved ones. To a high percentage of people getting it, it is fatal.

READ ON,
I DARE YOU

NOAH VS CARLETON
PAGE 5

HOW TO SAVE MONEY!
PAGE 7

CENG SPEAKS
PAGES 8-11

FROSH GALLERY!
PAGES 12-13

COUCHES AND CACTI
PAGE 14

CSES UPDATE
PAGE 17

DISTRACTIONS
PAGE 18-19

AND MUCH MORE!



WARNING:

This publication may contain offensive material. It should not be read by anyone who is easily offended. All opinions expressed within are solely those of the contributors; they do not reflect the views of the Carleton Student Engineering Society. This paper is purely 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 at irontimes@ces.carleton.ca.

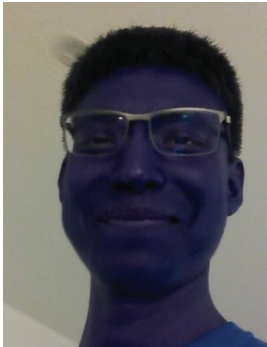


EDITORIALS

PRO TIP DENTISTS DON'T WANT YOU TO KNOW: FOR WHITER TEETH, CONTRAST WITH PURPLE

AMORPHOUS

From the Desk of the Editor



Gabriel Karam
- CIVE II -

When thinking of change and growth, and more importantly, how we as human beings can learn to grow and become the individuals of our aspirations, it can be hard to picture just how we might go about accomplishing such a thing. I was stumped by this question for a while, and decided to do a little research. If we take a look at some famous historical figures, as well as the heroes of storybooks and the influential leaders of today’s world, they all seem to share one commonality: difficult beginnings.

Take Steve Jobs as an example. He came from a poor family, had to drop out of college because of financial issues, and generally spent his nights sleeping in whatever places he could find. But even through all of this, he managed to develop Apple and became a multi-millionaire in his mid-20s.

Batman also had some problems growing up- his parents were killed by a criminal when he was young, so he made the decision to do whatever necessary in order to fight crime in Gotham city. Unlike other superheroes, he has no powers and relies on his intellect and the rigorous training he put himself through.



Now, a "difficult beginning" may not shed any light on the whole subject of change and growth, but it's what's integral in these stories that is important — I’m talking about challenges. Looking at Jobs and Batman again, you can see they both faced numerous challenges, worked to overcome them, and grew into stronger people as a result. What’s also important to note is that they each failed many times in the face of some challenges (I mean, just look at those iPhone 7 headphones. And that’s AFTER he’s dead). However, they never gave up and kept trying.

This brings us to another important question: what is it about a challenge that causes us to grow?

First of all, the dictionary defines growth as “The development from a simpler to a more complex stage,” and I think that pretty much sums up the issue at hand. As human beings, it’s evident that we aspire to complexity. This is why fictional characters are more interesting the more depth they have, and how an adult differs from a child. Adults simply have more things to consider, more steps in their thought process, and more layers than a child does. I guess that makes all of us on-ions.

Challenges help make us more complex by teaching us lessons, testing and expanding our limits, and helping us develop new skills. For example, say you realize one night that you have a fluids lab due at 8:30AM the next day. If life were a video game, your screen would be flashing red and a large “Marked for Death” sign would be hovering above your head. Now, if you somehow manage to complete the 15-page lab in a little under 12 hours, you would definitely unlock some new skills such as “SUPER PROCRASTINATION,” and “SLEEP IS FOR THE WEAK”. In the future, you might learn to do something like write down important assignments on a calendar, or engrave them into your hand Harry-Potter-style.

I guess you could say this fluids lab wasn't a huge challenge (in the grand scheme of things), many small challenges like this are what make us who we are. It’s as if you’re a wood carver, and each challenge is a stroke of the blade, refining your work to an even greater degree.

So the next time you come across a challenge, don’t back down. Just take out your trusty sledgehammer and pound it into the dust!



While completely unrelated to what I just wrote about, I figured it would be fun to do a horror section this month.

Whether you’re a thrill junkie or someone who can’t stand horror (like me), it’s interesting to know the reasons why books and movies are actually able to scare us.

It starts with emotions- the reader’s emotions. In fact, if I were to generalize, any fictional medium is made to stir the the reader's emotions in one way or another. The feeling you can get when reading a good book or watching a good movie can be amazing, and sometimes downright addicting.

In particular, the horror genre seeks to invoke our deeper and darker emotions, which are more closely linked to the base instincts such as the ‘fight or flight’ response. The more involved these emotions get, the further we are removed from the logical thinking that would otherwise derail the scenarios that the author is trying to sell us.

Also connected to these emotions is the imagination, which is the #2 secret to horror. This is where books and movies differ, as movies have access to your senses of hearing and sight, whereas books rely solely on your imagination. You might think that this gives horror movies a distinct advantage over books, but that’s not the

case. The imagination can far more powerful than the senses, and a good author (such as Stephen King) can describe things that a screen could never replicate. For the imagination to take full effect, it’s always best to be in a dimly-lit room with no noise interference.

Now, the most important part of a good scare is how the author/director sets up the moment of horror. To quote one expert: “Horror isn’t showing you a man with a bloody knife. Horror is peering through your curtains to see him staring straight at you, blood dripping on the sidewalk. And in the moment you look away, he is gone.”

Why is this second description of (perhaps) the same situation so much scarier? Well, we can relate back to the first two elements of horror. To start with, finding someone dangerous staring at you sends a chill up your spine and immediately triggers your survival instincts. Then, the disappearance causes your imagination to start up. Even though your rational mind knows there’s no way he could have gone more than a few metres since you looked away, a mind tainted by fear imagines that he may even be in the room. Behind you.

So the next time you’re afraid to open your closet door at night or walk into a dark room, now you know!

EDITORIALS

WHEN YOUR SOUP MATCHES THE COLOUR SCHEME



Cassidy "Next" Lang
- AERO C III -

Not everyone wants to be a leader. Even fewer people believe that they have any leadership capacity whatsoever. But sometimes leadership is thrust upon us and we have to choose to rise to the occasion or bow our heads in defeat.

There's a lot of discussion surrounding how to be an effective leader. For the most part, the closest the world seems to be able to get to a unanimous decision is individual characteristics that people can respect. And that's really the key word, here: Respect.

A recurring theme that can be found (in no uncertain terms) in a lot of my writing is how much I both despise and fear entitlement. The sentiment is made worse by how easy it is actually to commit crimes of entitlement myself. Entitlement is not worthy of respect; there's no two ways about it. Whining and crying, even telling people that you deserve respect does not earn you respect. Too many leaders (hell, too many PEOPLE) feel entitled to respect just because they occupy positions of authority.

Respect, to me, is about demonstrating a standard, protocol, or behaviour that people can get behind. I'm unlikely to respect a leader that does not exemplify behaviours or characteristics that I believe to be positive ones, and I don't think I'm alone in feeling this way.

In order to write a decently proper editorial, I'm going to source a specific expert to back a claim I've passionately supported for, well, my whole young adult life. General Ann Dunwoody, the first female four-star general in the US Military Service, wrote a book in 2015 to discuss her experience in the military, which she deems "more about leadership than gender."



Thinking About how to be an effective leader

A firm believer that there is no recipe for leadership, she admits that "you don't have to lose your feminism to be a good leader, but you also don't have to use your feminism to be a good leader." What she found throughout her time in service was that all the great leaders--regardless of gender--were great (read: respectable) leaders because they held themselves to a higher standard. And they encouraged their subordinates to exceed that standard.

Because this attitude can be viewed as a characteristic of a "hardass", many would likely argue that empathy is also a trait to be admired in a leader--after all, who doesn't want a leader who genuinely seems to care about their people and their needs? I'm not here to disagree with that, exactly... okay, I am, but only in part.

The shortcomings of empathy lie in its familiarity bias. To put it in the words used by Yale's Professor Paul Bloom, "empathy directs help in a fundamentally biased way. It's because of empathy that we care more about a little girl stuck in a well than we do about the problem of climate change."

Human beings, including those in leadership roles, tend to care more about their own people or issues in which they have a vested interest, rather than "those people" or "those issues over there in that far-off country." Hence why we have Donald Trump over here desperately trying to save the "American brand" as he perceives

it by discriminating against anyone or anything that doesn't agree with him or his values. It's empathy, folks. Really.

Professor Bloom recommends "combining rationality with compassion" as a more effective leadership model, which takes into account both cost-benefit analysis and basic kindness. Depending on your personal definition of empathy, you might interpret the term to be synonymous with kindness and compassion, but it's important to recognize that while that does exist with empathy, it's a lot more singularly-focused and, ultimately, biased af.

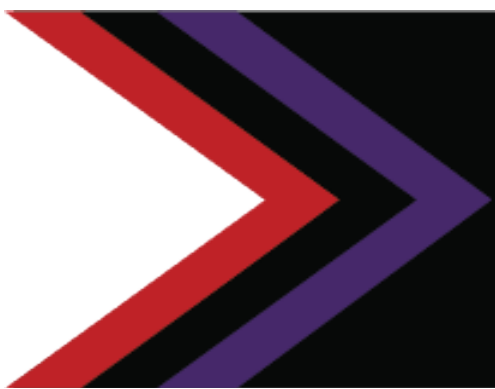
Realistically, whether you find yourself in a position of leadership or not, never stop questioning authority. Question your own authority if you are the authority. As American historian Timothy Snyder says, "when people say 'I don't know, I'm just going to watch Netflix,' that means you are actively taking part in the transformation of a republic to an authoritarian regime."

You always have a choice. Even the choice not to make a choice is a choice. The apathetic and, frankly, nihilistic mindset of "everything is the wrong thing" is not an attitude that an effective leader can afford to have. One quality that not only make a successful leader, but also happens to be an attractive human quality, is educating yourself to the point where you can have justifiable opinions on things, whether those things be minutiae or global-scale world issues.

It all comes down to acting in ways that allow yourself to be deserving of your own respect. It's sort of like the Golden Rule in that regard. Respect others for acting the way you would like to be respected. Even if you don't care to lead anyone or anything, endeavouring to deserve respect is one of the most empowering and fulfilling things you can strive to do for yourself.

It's not about authority. It's about action.

*"You don't have to
lose your feminism
to be a good leader...
But you don't
have to use your
feminism to be a good
leader."*



COLUMNS

AN ACTUAL ENGINEERING REPORT?!?



Niki Tsiolis
- CIVE II -

Engineering is about solving the world's problems and constantly adapting to a changing social environment. People are trying to find innovative, efficient, and sustainable ways to decrease pollution, energy consumption, climate change and so forth- in order to maintain an ecological balance and support future generations. But, what if I were to tell you that nature itself has already solved many of the problems that we are facing? Animals, plants, and microbes themselves are skilled engineers. After all, humans are not the first species to build.

Biomimicry is an innovative approach to find sustainable solutions to human challenges by mimicking nature's time-tested patterns and strategies [1]. For example, in Michael Pawlyn's TED Talk video titled "Using Nature's Genius in Architecture," he mentions how the spinneret glands on the abdomen of a

spider produce 6 different kinds of silk, which are then spun into a fiber that is tougher than any fiber that humans have created. The closest that people have come close to producing a similar fiber to a spider's thread is the aramid fiber. The manufacturing process involves high temperatures, high pressure, and a large amount of pollution. The spider manages to produce its fiber naturally using ambient temperatures, pressure, and the use of raw materials, such as dead flies and water. By learning how to make and do things the way nature does, we could

save on energy and resources. This is an excellent approach in resource-constrained environments.

The concept of biomimicry can lead to revolutionary designs for energy, architecture, agriculture, medicine, communication, and transportation. Some of the questions that scientists, researchers, and engineers are posing include: how does nature build, process cellulose, optimize packing space, waterproof, and heat/cool a structure? To put this into perspective, people are looking at the properties of a leaf in order

to develop a better solar cell [1].

One of my favourite examples of biomimicry related to architecture is the *Stenocara* beetle, which lives in the dry Namib desert in Africa. It has no access to fresh water, yet is able to survive in a harsh environment by absorbing moisture from fog. It has bumps on the back of its wing covers, and these bumps act as a magnet for water. Fog builds up on the tips and the water that is collected is then transported through channels into the beetle's mouth. Architectural firms are looking at coating buildings with biomimetic patterns so that they are capable of gathering water from fog as a method of clean water harvesting [1].

Co-existing with other organisms is crucial for our survival, and what better way is there to demonstrate this than by learning from other species and being inspired by nature's habits and adaptations within their environment?



References:

[1] "Biomimicry Institute," <https://biomimicry.org/what-is-biomimicry/>. Accessed September 19, 2017.

COLUMNS



RELATABLE. VERY RELATABLE.



Noah "Soundcloud" Pacheco
- AERO D IV -

I'm not gonna lie, I struggled with writing this article for a long bit. I think that's because I sometimes have a hard time even looking at my achievements, let alone writing them out for the world to see. But on a theme based around growth? I think some personal stories are necessary. So, for the rest of this article, please forgive me as I refer to myself in the third person.

Noah's gone through lot of changes in his life. Not as much as some people, but definitely more than the average lad. There were two moves/relocations within the span of five years, and he hated both of them equally. It didn't help that he was young and just getting the hang of the whole "how to make friends" thing.

One of the bigger changes in his life was the transition from highschool to expensive highschool (University). A lot of warning signs were all given, such



as: "University is going to be a lot tougher," and "Most people's grades will drop a full letter scale." Noah thought that he would be the exception. He would be the lone warrior to stand while others crumbled around him. Noah was a dumbass.

Ignoring the fact that he completely coasted by highschool on just logic and relatively good luck, Noah also had almost no experience actually 'studying.' Yet there he stood, gung-ho on his first day of classes. He was obliterated. It was hysterical. You had to be there.

With this large change in atmosphere, social life, and academics among others, Noah never stood a fucking chance. It was funny that he once thought he could continue about his Univer-

sity career without ever changing his attitude. It took him a full year to actually adapt to the new situation, but that was okay. Taking time to adapt is one of the smartest decisions a person can make. During this adaptation period, Noah tried multiple different strategies, some of which still work and are practiced to this day, whereas other strategies... were left on the curb of that one FSK.

A year later, Noah had managed to stay afloat somewhat. It was interesting to see everyone else adapting different strategies as well, and some didn't need to adapt that much. Their study plans were in place, their finances never tampered with. Others suffered much worse and dropped out. It should be noted that Noah never did manage to raise his GPA back

to that highschool standard, but growth still continues. Everyday.

That's the thing about change and growth. The world is in a constant state of change. Everything is always moving around, new technology is being developed, the Kardashians are always mixing shit up. This constant change gives people the potential to continually grow. Insert quote: "You never truly stop growing."

So, if people never stop growing, then as long as they're pointed in the right direction there's no limit to what we will collectively be able to do at one point. Noah likes that thought. There may be hope for the human race after all, he thinks.

The two golden rules for achieving this is as follows. The first: be sure to point yourself in the direction of success. Know what you want, what you need, or what the community around you is trying to do and align yourself correctly. You know you need to pass this next test? You should probably make sure you're prepared for it and not just "wing it because you're in aerospace and wings, lol." Break your leg? You should probably take your meds, do your exercises. Overall, move forward. Don't move backwards or sideways. How else are we as humans going to achieve interdimensional space travel?

The second golden rule? Expect pain and loss. It comes hand in hand with change. Along the same lines, accept that change. Crave the growth that comes with it. Profit.



AND AT THAT MOMENT HE REALIZED...



COLUMNS

THE UNADULTERATED SURVIVAL GUIDE PART 2



Rebecca "Swallow" Feddema
- ACSE V -

Alright, so you've made it a whole month in into school. You've attended some lectures, done some assignments, maybe even written some tests! Gasp! And now that October had started, you're coming up on reading week, Thanksgiving, and HAL-LOWEEN! All this while trying to keep up on homework and surviving in your lovely little dungeon- I mean res room.

So first up: how the hell do you get home for Thanksgiving? Well, now's your chance to stretch those adult wings and try your hand at booking travel tickets. If you're anything like me, that means calling your mom and having her take you through the process while you sit in your laptop. However, if you want to maintain some semblance of independence, you can go bug your res fellow to show you how to book tickets and then impress your parents by telling them you did it yourself!

Greyhounds work if you are going somewhere close-ish to Otta-



wa, I'm talking Toronto, Montreal or anywhere in between. If you live farther than 5 hours away, you might want to reevaluate your selected mode of transportation.

Via rail is also an option for homeward travel. These tickets are usually a little more expensive, and trains tend to stop only in major cities. However, I highly suggest travelling on the train at least once in your life, so you can spend the trip imagining that you're Harry Potter on your way to Hogwarts.

Finally, there is also air travel. If you have the disposable income and you want to shave hours off your travel time, planes are the way to go. This mode of transportation also involves the ridiculous-

ness that is an airport, so have fun with that.

Now, all of these options are going to involve some online searching and ticket booking, and ticket prices are only going to increase with time. So, do yourself a favour and look for your ticket now.

If you're feeling real smart and frugal, you can try to get a ticket for the reading week coach buses that the Carleton SEO gets every year. That way you don't have to worry about finding the Greyhound station because the bus comes right onto campus to pick people up. This is where residence living can come in handy, because every year RAAA sells these reading week bus tickets. So, all you have to do now is find the RAAA

office (hint: it's in Residence Commons).

And that wraps up how you get home. But, what about if you live too bloody far away to warrant going home for a measly weekend or single week off? Well then, you're in for a treat. Because, if you are staying on campus or even just in Ottawa for reading week, then you get to experience ghost Carleton. Those of you who have ever taken a summer class know what I mean. Ghost Carleton is when the campus is basically deserted. All the computers in the library are free. No one is crowding the bus stop making it impossible to walk in front of Minto. And if a coffee shop is open, you can bet there won't be a line. Basically, ghost Carleton is my favourite Carleton - mostly because my introverted self hates other human beings, but also because I can get some work done!

So don't fret if you aren't going home, that just means you have extra time to procrastinate with the rest of us. Go do your Worksmart Campus or something!

OCTOBER PSA: don't forget to grab your winter coat when you go home. I swear it's gonna get colder, and the last thing you want is to have to wait until Christmas to have a winter coat!



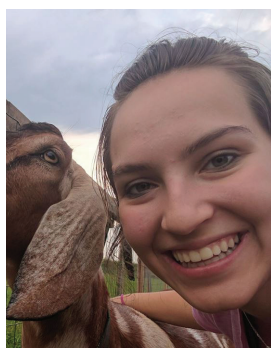
COLUMNS

HOW NOT TO GO BANKRUPT

Advice From Your Resident Wine Mom



Tips from Someone Who's Gone Through First Year



Teo "Senpie" Blidaru
- BMED ELEC III -

Drunken wine mom checking in. How y'all doing? Made it out alive from frosh? Now how about your wallets? I know mine barely made it. So this month we're gonna talk money, and if you're living on res, take notes for later.

First thing you should always do is create a budget. Go on excel and plug in how much money you're gonna get (ish) and how much you have, and start subtracting things you know will need to be paid. Take away tuition (don't forget the co-op fees), take away 12 months of rent + utilities (or whatever time interval you want), insurance, and any other expenses that you KNOW will happen. Now take the remainder, remove a safety net amount, and divide it by the number of months for which you are budgeting.

Now that you have your monthly budget, how do you stay within it? Let's go over some tips and tricks I've learned and applied in my own life.

1. For food shopping use the app Flipp or its equivalent. Spend 20 minutes once a week and look

through flyers of different stores near you, then go to one that price matches and buy things for the cheapest price possible.

2. Buy in bulk; I'm sure if you don't have a costco membership, someone you know probably has one. Also, buy non-name brand. A lot of brand name things have alternatives that are just as good if not better.

3. Try your best to plan meals. You can be eating like a king if you practice your cooking and make chicken cooked in different ways with rice, noodles or whatever you want. One of my go-to things to make for cheap is Chilli. Get 5 cans of different types of beans, some tomato sauce and whatever else you want to add (you can get enough meat for a giant pot for like 10 dollars at Walmart). You can make this giant thing that's

enough for 5 big-ish lunch portions (or around 7 smaller but still filling portions) for under 20 dollars.

4. One last tip for food: buy in advance. Sometimes stores have CRAZY deals. I'm talking cans for 50 cents. Buy some and store them for when you're gonna need food but don't have time to go shopping. (I usually always have about 5 bagels in the freezer for a quick breakfast, lunch, or dinner)

5. GET THOSE POINT CARDS!!!! Specifically get the card from shoppers, it's rated one of the best points card in North America. They sell milk and eggs for very cheap, and I consistently buy these things. Within 8 months of doing this (plus other essentials like soap and shampoo or tylenol) I've collected \$95 dollars' worth of points. And they

customize what you get more points for based on what you buy more often so it's super easy to collect a lot.

6. Use Splitwise, it's an app that makes it super easy to split costs and purchases between friends. You can also do it through a website for those of you without space on your phones.

7. And lastly, I strongly recommend getting a credit card with your bank. Most banks have one credit card that has no fees and it's a super basic one. For one thing, it will help your credit score, and it's safer and faster to get your money back than of using a debit if your information gets stolen (humanity is shitty, it does happen). Also, a lot of places do cash back credit cards for no extra fees, which means you get money for the money you spend. Something very important about this is THIS IS NOT FREE MONEY, DO NOT SPEND MONEY YOU DON'T HAVE, BE SMART.

So yeah, maybe you learned something today. Most times it's all about not spending money you don't have, and any big purchase should be slept on before you do it and researched thoroughly. Learn to recognize wants vs needs, and realize it's also ok to treat yourself once in a while. Good luck and stay strong, and if you slip once in a while we have all been there. Don't beat yourself up over it and just learn from those mistakes.

-Signed someone who has meh qualifications in life




MEAL PLANNING FT. TEO



COLUMNS

Y'ALL WERE SO OPTIMISTIC AS CHILDREN





(-ENG SPEAKS:

Change & Growth

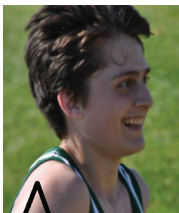


“When you were younger, how did you imagine your life would be as an adult?”

To be honest, I thought I'd be famous by now...



Noah Pacheco
AERO D IV



Michael Wiebe
AERO D II

Essentially the same, just taller, stronger, smarter, wittier, well endow... uhh yeah.



Daniel Zachrison
SREE A III

Easier. I always saw my oldest sister and everything she did seemed like it was super easy, but now I realize I was wrong! WRONG!

Ever since I was young I knew I'd work with computers. Everyone else wanted to be a princess or an astronaut but I wanted to work with computers!

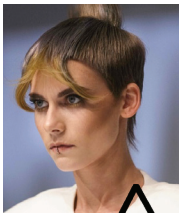


Jamie Hopkins
IMD II



Hannah Carton
ENVE III

Thought I'd be a marine biologist and swim with whales.



Cassidy Lang
AERO C III

I definitely thought that making an Audi TT, a condo in DC, and a career with the NTSB happen would be easier than it will be.

Not as soul sucking as it is now.



Jonathan Strong
CIVE III



Moe
ENG PHYS I

Awkward AF cause I was a weird one growing up. Always kicked outta groups cause I had a thing for bugs and wasn't a fan of sports.

Stable, fun and I'd get to help people.



Nida Zia
BMED ELEC II

COLUMNS



Grandpa Gabe
MECH V



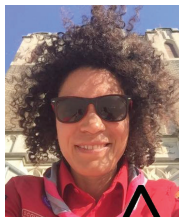
I wanted to be a dinosaur, so I guess hunting some other dinos. As it turns, out the only thing I'm hunting now is a GPA above a C+...

I imagined a lot more car chases, but I guess running to catch the O-train is close enough.



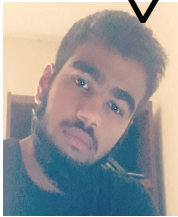
Konstantin Fedotov
ELEC II

Soph
ENG PHYS I



I thought being an adult meant you had a handle on things... #wrong

Fun 'cause less restrictions.

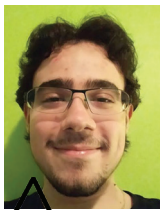


Abitalib Kagalwala
AERO I

I figured I'd have my shit together.



Aaryan Shameem
AERO D II



Daniel Haycocks Tulli
ELEC II

Two words: Rich Scientist.

Staying up late watching The Simpsons.



Melissa Illing
MATH III

No clue. But no matter what, always painting!



Hilary Romaniuk
ARCH II

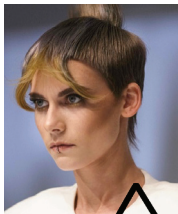
“What's the scariest thing you've ever seen?”



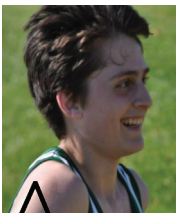
Logan MacGillivray
SOFT III

Watching my father give away our passports in Germany

Leo's old microwaves left to rot over the summer.



Turnip jack o' lanterns. Seriously, look that shit up. Terrifying.



Being chased out of my hotel room in Sudbury by three naked savages.



Stood on the glass floor at the CN Tower and that drop looked terrifying.



COLUMNS

TB TO WHEN JORDAN BLINDED AN ENTIRE THEATRE

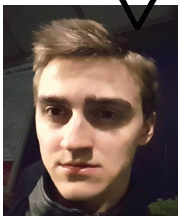


My roommate once cut his chicken nuggets into pieces with scissors. My life has not been the same since. You know who you are, you monster!

How people can sit in Leos for 6h a day, play games, and still not die.



One time, I bit into a muffin and there were raisins in it.



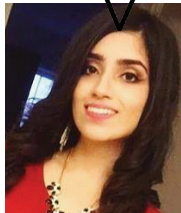
Jordan Stumpf in nipple tassels.



My brother's birth video
#ThanksDad



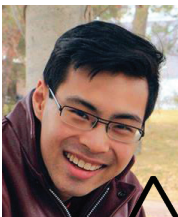
A car pileup.



Toronto from the glass floor of the CN Tower.

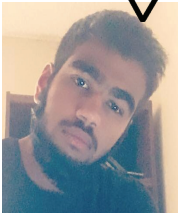


Flat-Earthers



My dance moves. Trust me, you don't wanna see me dance.

F in Math in grade 8.



I walked in on my dad. He was playing... with a fidget spinner.

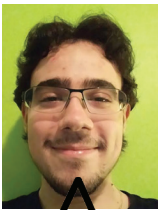


“How was your Engfrosh Experience?”



EngFrosh, Best Frosh!! Met a ton of super inspiring people, got welcomed into an awesomesauce eng-fam, and now I'm stoked to get involved and make this the best school year evaaaaa!

Too much mail.



Frosh is only a week yet it feels like a lifetime. It is my favorite part of being at Carleton and I plan to do it every year in every role at least once.



COLUMNS

THE VERDICT IS UNANIMOUS

As fun as it was exhausting...
Extremely.



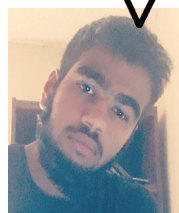
Adam Dublin-
AERO C II

Engfrosh will and forever re-
main best frosh.



Amazing as usual!

Awesome. It was a great experience, I met
a lot of people and learned a couple things
from everyone's stories.



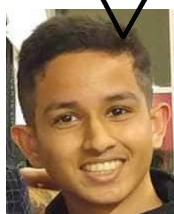
I was really disgruntled that strangers took off
with all of my belongings, to be honest. I was
also unsure what to do when all my future facils
started chanting "one of us! one of us!"

Engfrosh is definitely a tiring but worthwhile expe-
rience. I find myself behaving differently during the
week, but different in a good way. I'm more outgo-
ing, talk to different people than I normally would,
all while sleeping a lot less.



Would you believe me if I told you I've
never done EngFrosh before?

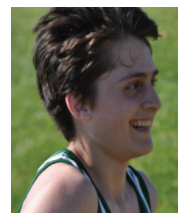
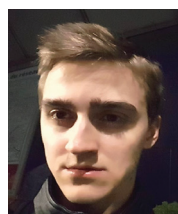
By far one of the best uni events.



I got my best friends from Eng-
Frosh and a confusing relation-
ship with QR codes.

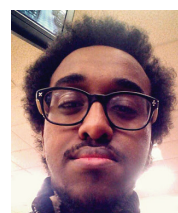


It was definitely the rainiest frosh
I've ever been to. And after being a
facil this year, I can definitely say
that I have a lot more respect for the
people who choose to go beyond and
become heads or organizers, because
volunteering for EngFrosh is a lot
more work than it would seem. Since
I was an off-campus frosh in 2016, I
never saw my facils or heads doing
move-ins or staying out late to do
walk-homes, so I had thought that
volunteering for EngFrosh would be
pretty laid-back. I still had a lot of fun
volunteering, and I will definitely do
it again for 2018 if scheduling per-
mits me.



Back in the year 2016 A.D. I was
a Mythological Era froshie (SPEAR
ARM!) and it was a lot of fun and a
great experience. I got to meet upper
years who motivated me to try out
different clubs and other first years I
would be seeing for the next 4 years
of my life. Also, since this is Octo-
ber and we're all about that spook, I
discovered that the groin area of my
swim trunks was split open at the
seam on beach day. I was saved by
two safety pins, but that was a terrify-
ing event (especially the spider wall).

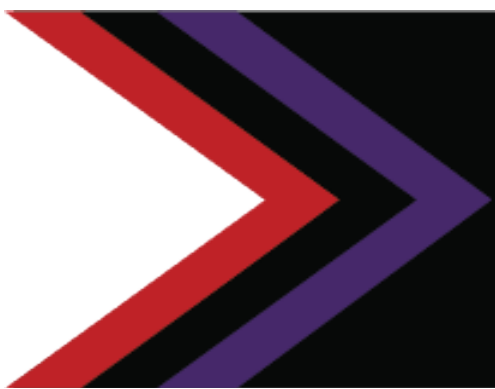
P.S. Not being chased by naked sav-
ages helped me enjoy it a lot more.



It's extremely intimidating at first; as
someone who's moved around a lot
I never had to worry about making
connections cause I'd move within
a year or two. Entering Carleton ce-
mented the next 4 or 5 or even 6 or
even 7 years of my life, so making
connections was kinda a big thing.
But, my team over time grew on me
and I can say I'm 110% glad I signed
up for Frosh week and would defi-
nitely come back next year as a facil
to help out someone who could be in
the same position as me. With amaz-
ing heads, diehard facils, and eager
frosh, what can I say? We are always
friends, we are always friends! Bort!

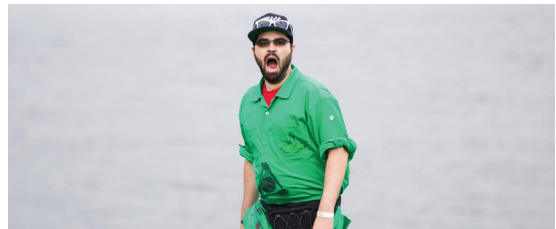


I love EngFrosh. It was a great ex-
perience as a Frosh because you got to
meet so many new people who were
in the same boat as you. You also got
to meet people from different pro-
grams, which was really nice, as well
as make friends with upper years.
As a facil, it's really cool getting to
relive the EngFrosh experience and
help younger students get more set-
tled in and hopefully feel surer about
their decision to join the CEng Com-
munity. It's also great because you
still meet new people each year and
get to know other facils you've seen
in Mackenzie and just never talked
to. It's a tiring experience with move-
ins and MarketSCOTT but it's 100%
worth it!



GALLERY

YOUR MONTHLY DOSE OF FROSH

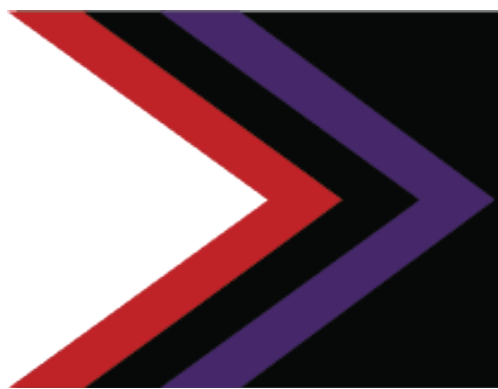


GALLERY

O BR RE OG NEON, OBRREOGNEON!



R.I.P. LANNING



SOCIETIES

I WANTED TO BUY SOME CACTI... BUT I HAD NO MONEY



On September 21st, CSCE hosted a Town Hall to fill the open spaces on the 2017-2018 Executive Council. We are pleased to announce that all the spots have been filled and would like to welcome the following people onto this year's council:

Vice President External: Brody Ryder

ACSE Representative: Milan Roy

4th Year Representative: Jessica Burden

3rd Year Representative: Jordan O'Rourke

1st Year Representative: Madi Birch

1st Year Representative: Daniel Della Rocca

Thank you to everyone who ran for a position as well as everyone who voted. With a full council, CSCE Carleton is looking forward to running many events in the coming school year.

CSCE Carleton is also please to announce the purchase of a new couch and chair in the office! Remember, it's only \$10 for a membership and you can have access to these babies!!



WHAT WERE THOSE CACTI FOR?

September 25 2017. The weather applet reported a temperature of 33 degrees outside- hotter than a desert and perfect weather for a cactus. Maybe you noticed ELSE selling them in Minto Foyer.

Emerging Leaders for Solar Energy (ELSE) is a new club at Carleton this year. We are a standalone offshoot of CanSIA (the Canadian Solar Industries Association). A national not-for-profit ELSE is a growing network of young professionals, students, and solar advocates. We believe solar energy is one of the best clean energy resources available and a key component of the 21st century energy system.

You might not be familiar with the national organization's work, but they have been involved in some amazing projects. In July, the clinic of Siddheswor, Achham District, Nepal was fitted with a 1.6 kw solar array. In 2015, the Lubicon Cree First Nation partnered with ELSE to install 20.8 kw of solar power in the heart of the Alberta oil sands, while the Kitasoo/Xai'Xais First Nations received 23 Kw of solar panels from the national chapter.

As a campus club, we are focused on advocacy, activism and affluence. You can join us this year in petitioning for 24 Sussex to go solar, running in the Great Climate Race to raise funds for upcoming projects, or maybe even meeting up with some influential national members at the Solar Canada Conference.

Our members benefit from access to a unique hands-on on-campus projects. The annual project is selected, designed and built by members to learn the fundamentals of solar power. We also host regular 'food and thoughts' gatherings where Industry professionals come to provide insight into working in the renewable energy industry. Tuesday, October 3rd at 6 pm, we will be having a general information night for those who would like to learn more about our club.

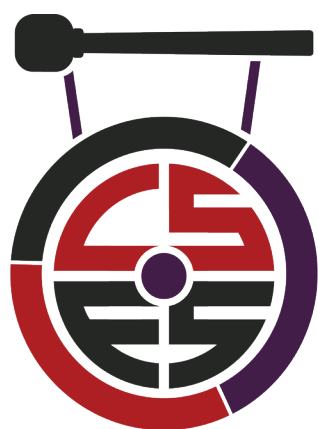
Solar energy creates meaningful employment, contributes to a healthy environment, and helps meet peak electricity demand where it is needed. We believe in a strong solar energy future, today.

Enjoy your Cacti!



CALENDAR

DROP BY AND HAVE A CHAT!



CARLETON STUDENT ENGINEERING SOCIETY



/myCSES



@myCSES



@myCSES



myCSES.ca



Alexander's Office
3390 Mackenzie



Open Monday-Friday
8:30 AM - 5:30 PM



613-520-3616



Open Fall & Winter
Academic Terms

OCTOBER

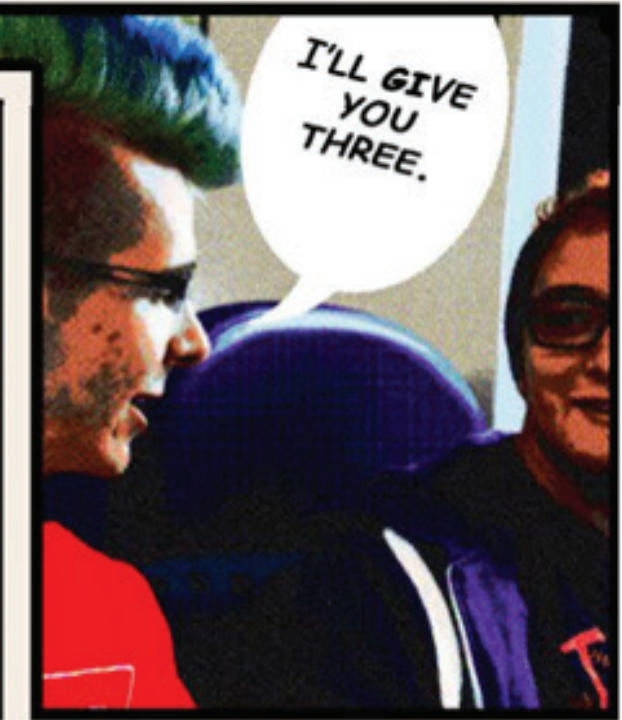
2017

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
25	26	27	28	29	30	1
2	3	4 Trivia Night@ Ollies	5	6 Fall Textbook Trade Ends!	7	8
9 THANKSGIVING	10	11 CSES Fall General Meeting	12	13	14 EngFrosh Reunion	15
16	17	18 Yuk Yuks	19	20	21	22
23	24	25	26	27	28	29
Fall Reading Week (NO CLASS!)						
30	31 HALLOWEEN! Movember Shave- Off	1	2	3 Whirlwind Semi- Formal	4 Professional Engineers Ontario Student Conference	5

OTHERWISE, REFER TO THE LARGE WALL CALENDAR IN MINTO 3300 BLOCK

CARLETON CHRONICLES #2

DON G.L. JACKSON





CARLETON STUDENT ENGINEERING SOCIETY

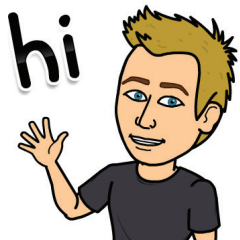
3390 MACKENZIE BUILDING



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
Sasha Christie

Hello Everyone! I hope you've all had an amazing start to this year and are getting settled into your classes. At the moment, we're working on plenty of exciting events for you! In my portfolio, we've been working tirelessly together with CUSA to prepare the new Mental Health Committee that we are hoping to introduce this year! If you have any ideas you'd like to see happen make sure to let us know! Please don't hesitate to email me at president@cses.carleton.ca.



VP Finance
Kevin Herger

Hey everyone, I hope the start of your year has been great so far! Things are about to pick up, so be sure to keep up to date on all the awesome events and things happening soon using our various social media accounts. One of these important things is Student Group Funding! If you're involved with a club or group that is affiliated with us, make sure to apply for funding. The applications for Fall SGF will be opening October 2nd, and will run until October 13th. Thanks, see you all around!



VP Internal
Tristan Durie

Hi friends, hope you are enjoying fall so far and that you started school on a good note!! Come out to the Fall General Meeting to see all the Exec and Councilors talk about what they have done so far and their plans for the future. Also, remember that elections are going on, so go to hear what the candidates have to offer and remember to vote! Good luck on midterms, see you in November!



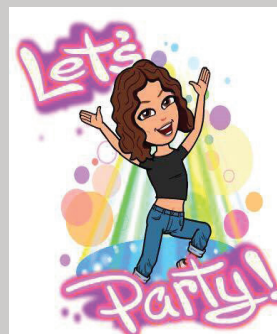
VP External
Johan Prent

Hey C-Eng, you made it through September! Now that we are into October, look out for the Breast Cancer campaign and all the awesome events that will be done this month! Keep an eye out for applications to attend the Professional Engineers of Ontario Student Conference or the Conference on Diversity in Engineering coming up in November!



VP Publications
Cassidy Lang

How's your fall semester so far, C-Eng? I hope you've all had the opportunity to pick up your FREE passports and agendas for this year in the CSES office! With the Media Team assembled, we have been able to cover our first couple of events of the school year. Look for photos to be uploaded within a week of the event on our Facebook page! Can't get enough of the Iron Times? The newly reformed Iron Times archive on our website currently contains more than 40 issues dating back to 2009. Head over to mycses.ca/iron-times-archive and have a look for yourself! Until next month, y'all.



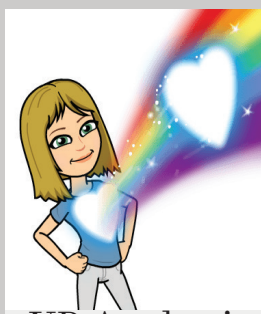
VP Social
Julia Ferri

Hey engineers! I hope you enjoyed your month back to school with homecoming, purpling, engBowl and panda game! For October, we got more fun events for you to join, including a trivia night at Oliver's and a comedy night at Absolute Comedy in Little Italy! I hope to see you guys out there for some tough competition and some good laughs! Keep posted and follow us on Facebook to keep up with all the events. Till then!



VP Services
Michael Lanning

Another year, another Frosh week done, and by the time this gets published it'll be October! This means that it's PUMPKIN SPICE SEASON!!!! Cue all the memes, jokes, and bandwagon hoppers making everything pumpkin spice. But, more relevant to me and what I'm doing in CSES is the textbook trade! The trade is finished on October 6th, and book pick-up ends the Friday right before reading week. Sweater orders are ongoing, and will be sent off before reading week as well. Throughout this year, if you have any ideas for merch you would like to see brought in, or designs you think CSES should use for stuff, give me a shout! I'm always looking to expand our wares!



VP Academic
Caroline Deluce

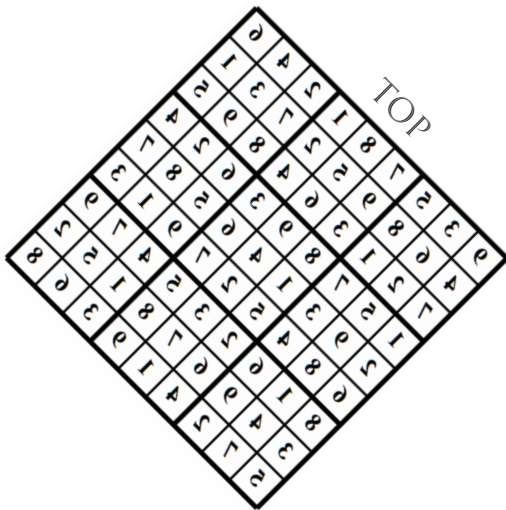
Hi C-Eng!!! Happy October! I hope your first month went well. Coming up this month is the Carleton Engineering Competition, the first three events of which are on October 14th & 15th. Check out the fb page for more info. We will also be featuring two workshops this month, so stay tuned!

DON'T BE A STRANGER! ANYONE INVOLVED IN CSES WOULD BE HAPPY TO TALK TO YOU ABOUT ANYTHING FROM DIRECTORSHIPS AND EVENT PLANNING TO 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. REMEMBER... EVERYTHING COUNTS FOR FLIGHTSUIT STAMPS.

DISTRACTIONS

EVERYONE'S FAVOURITE 81 SQUARES

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



SPOOKOSCOPES

ARIES

It’s time to embrace the Halloween spirit this year and get as much candy as possible! Make 3 separate costumes and target rich neighborhoods for best results.

TAURUS

Be good and the three spirits of Halloween past, Halloween present, and Halloween future won't have to visit you. Oh, and your deceased business partner won't come either.

GEMINI

The monster under your bed is hungry this month... Make sure not to sleep with any limbs dangling, or else. Wait, can something like that defer your midterm exams?

CANCER

A night of horror movies is looking good this year. Just make sure you don't have 8:30 classes the next day.

LEO

This is a great time to try pumpkin carving; gather a few really sharp tools and get to work! For best results, drink a pumpkin spice latte directly before the operation.

VIRGO

One day you'll break the curse...

One day.....

LIBRA

You will probably be forced to give out candy this year. Instead, chant a spell and be whisked away into the night air by a magic carpet! Maybe you can find the ghost of Robin Williams while you're at it.

SCORPIO

Resurrecting the dead this month may come with a heavy price, like an arm and a leg. Try again next month, and take some drawing classes to improve your pentagrams.

SAGITTARIUS

In the zombie apocalypse, you're hiding when you see the dean of engineering pass by. The irony of "Who died and made you boss" strikes you, and you laugh uncontrollably like a moron. Too bad zombies aren't deaf..

CAPRICORN

Instead of trick-or-treating, go to a Halloween party this year! Even though there's no candy, you can get... other tasty stuff. Also, they say cat costumes are all the rage these days :3

AQUARIUS

You've always been the type to think up a smart plan, like buying the Halloween candy after, when it's gone on sale and eating it all. But is diabeetus really a smart plan?

PISCES

As someone who moans and wails sometimes, you wouldn't be out of place in a haunted house. Consider working part time to offset tuition!

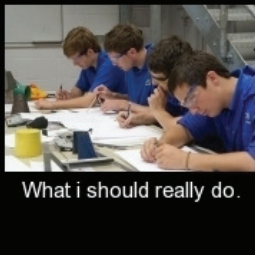
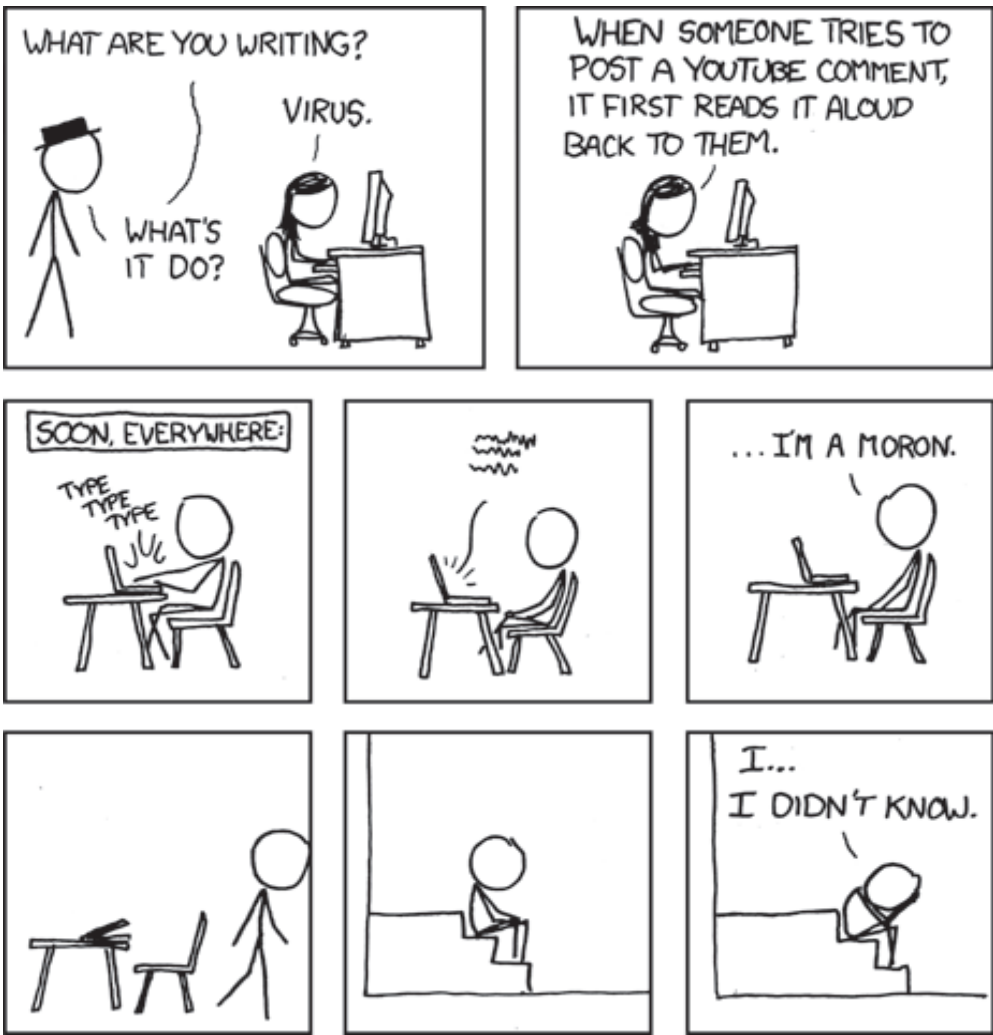
DISTRACTIONS

DILBERT STRIKES AGAIN

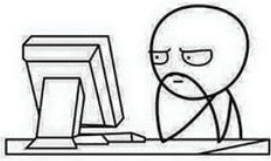


WRITING: JUST ADD COFFEE.

Civil Engineering Student



Never let your computer know that you are in a hurry.

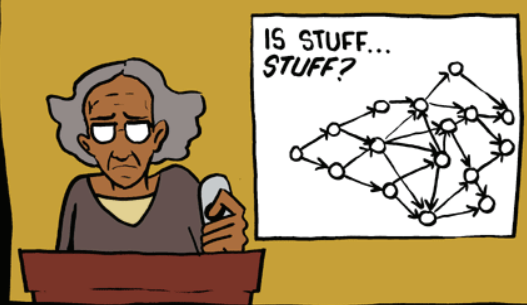


WHY YOU WANT TO BE AN ENGINEER:

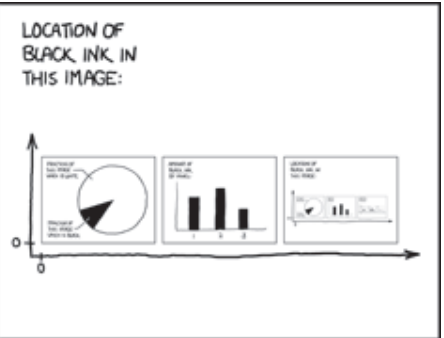
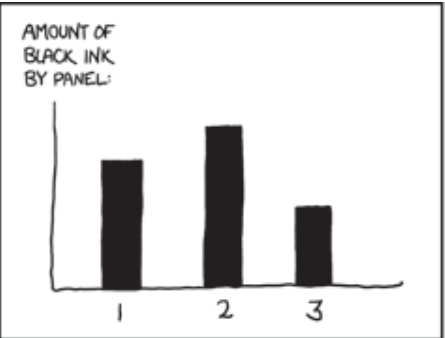
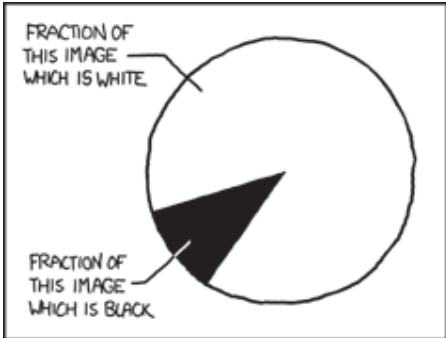
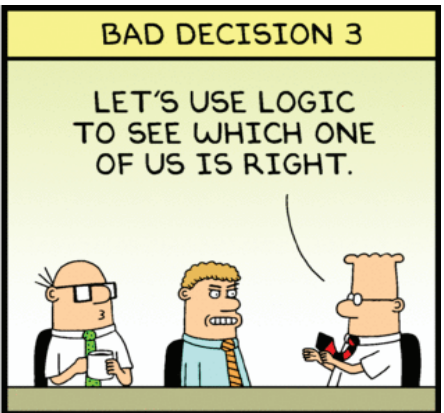
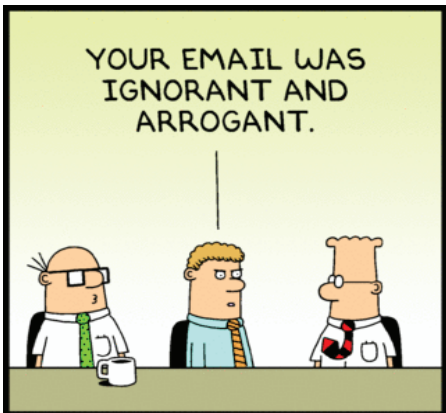
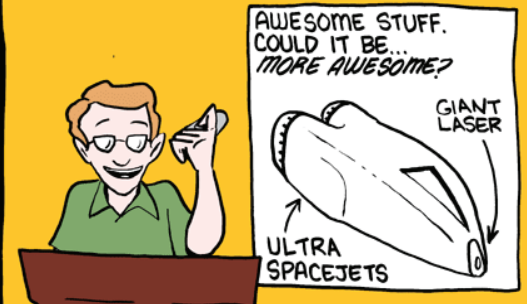
PHYSICS CONFERENCES



PHILOSOPHY CONFERENCES



ENGINEERING CONFERENCES



YOU CAN'T HELP BUT WONDER IF SOME OF THESE AREN'T JOKES...

LAST CALL

A STORM TROOPER AND A BEAR RIDER COME TO MIND

THE IRON LADY SARAH "BROWN RUSSIAN" GARLOUGH - COMP SYS IV -



C-Eng Involvement:

EngFrosh x4
(Frosh, Facil x2, Derp Sprit)
CPRT Elec team lead
C-Eng C High School Coordinator
GNCTR Sponsorship

Hailing from: Burlington, Ontario.

Delicious Dish of your choice:

Anything with Hollandaise.

What would be your dream job and why?

Designing Autonomous Underwater Vehicles with literally any company around the world, or anything with robotics. As for why, robots make all my dreams come true. Robots are life, robots are love.

Most Magical Moment:

Trapezing off of a 420 for the first time.

If you could travel anywhere in the world, where would you go?

Ireland. I want to be surrounded by my ginger brethren.

Favourite song/band/genre of music:

Song: Human by Rag'n'Bone Man

Band: Half Moon Run

Genre: Anything with a heavy bassline

If you had one day left on earth, how would you spend it?

Sailing in some big winds, while cracking open a bag-o-Costco Sangria with the Squad.

One quote that really resonated with you:

"Get paid, Get Laid, Gatorade" or "Live your best life."

Would you rather be unable to speak, or unable to use any electronic devices (for one day)?

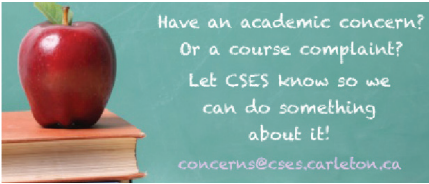
Would 100% give up electronics. I borrowed a book from a buddy last summer, and I could probably finish it in a day, and finally give it back.

What holds the top spot on your bucket list?

Learn French.

Hit me with your best six-second horror story:

Trapped on O-train, missed final exam.



USES FOR THE CHARLATAN

> Use as a blanket when the nights get cold

> Put into the shredder for that sweet shredding sensation

> Line your table when you get takeout to soak up spills

> Use to protect your hand from hot Leo's coffee

> Include in your themed concrete mix

> Write some sheet music to play on the piano in Minto

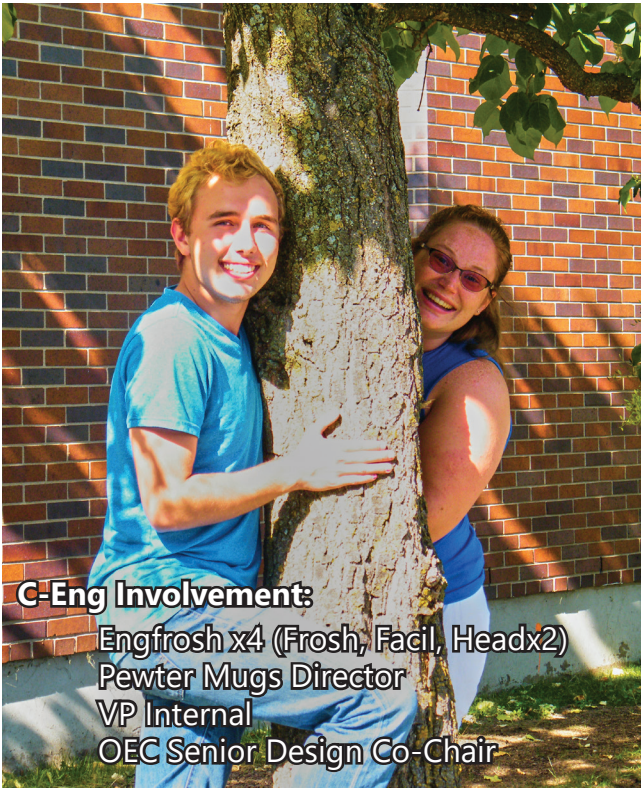
> Make a HALLOWEEN COSTUME- you know you want to

> Reduce, reuse, recycle

> Practice your mustache drawing

> You could read it

THE IRON MAN TRISTAN "SUPER TROOPER" DURIE - AERO D IV -



C-Eng Involvement:

Engfrosh x4 (Frosh, Facil, Headx2)
Pewter Mugs Director
VP Internal
OEC Senior Design Co-Chair

Hailing from: Kapuskasing, Ontario... it's a real place, look it up.

Delicious Dish of your choice:

Chicken Parm, Garlic Mash Potatoes, Stream Vegetables, Vanilla Milkshakes.

What would be your dream job and why?

Balloon Animal Zoo Specialist for the San Diego Zoo.

Most Magical Moment:

When my baby brother hugged my for the first time.

If you could travel anywhere in the world, where would you go?

Prague or Edinburgh.

Favourite song/band/genre of music:

I like most music but my favourite genre is alternative/alt-rock. Favourite song has to be NYC Girl by The Orion Experience.

If you had one day left on earth, how would you spend it?

Eating as much cheese and ice cream as possible, while finding as cute animals that I am allergic to and playing with all of them.

One quote that really resonated with you:

"Life is locomotion... if you're not moving, you're not living. But there comes a time when you've got to stop running away from things... and you've got to start running towards something, you've got to forge ahead. Keep moving. Even if your path isn't lit... trust that you'll find your way." - The Flash (Francis Manapul, Brian Buccellato).

Would you rather be unable to speak, or unable to use any electronic devices (for one day)?

Unable to use any electronic devices; I never shut up.

What holds the top spot on your bucket list?

Going to the International Space Station and hanging out with astronauts.

Hit me with your best six-second horror story:

Fail the exam, Fail the course.

Editor-in-Chief

Gabriel Karam

VP Publications

Cassidy Lang

Special Thanks To:

The aesthetics professional who took the iron photos, as well as a thesaurus, a dictionary and Microsoft spell-check. Also the good person who bought me Leo's coffee~

- Footnotes -

Issue Made Possible By:

A generous deadline extension
Memes
79 glasses of water
Multiple packages of Halls

Last Words:

Don't forget that writing an article is a Flightsuit stamp!



STAY TUNED FOR A TASTY NOVEMBER!