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Engineers Without Borders p. 3

Have you ever wondered, “How can I make something that helps the world? How can engineering be a good thing for the world? What do we bring to the table?”

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Robotics Club Updates p. 4

The UVic Robotics Club was founded just recently with the goal of building a rover to enter this competition in 2018. So far, they have constructed a prototype gripper and arm from 3D printed parts and parts ordered online. They also have a grant from APEGBC to fund their goal.

Find out more on page 4!

ESS Stream B Has a Scholarship Winner!

Every year, the UVic ESS awards the “Engineering Student Society Stream ‘B’ Award for Community Involvement.”

From the scholarship website: “An award is given to an undergraduate student enrolled in a Faculty of Engineering degree program for an outstanding project or idea that will benefit the quality of life for engineering students. Eligible candidates must have demonstrated community service either at UVic or with another non-profit or community group.”

This year’s award went to Stream A President Brock Poesiat for his work in developing a new way to distribute funds to the student engineering clubs. The new procedure made the club funding process more inclusive and transparent for all clubs involved by quantifying each proposal and making the deliberation meeting easily accessible. Congratulations Brock!

To apply for this scholarship, application forms are available from the Engineering Undergraduate Office (EUO) and must be returned to the EUO by April 30.
II. Upcoming Events

Thursday, February 9th: Clubs Day
All the engineering clubs will have booths set up in the ELW to showcase what they are working on. Stop on by to learn more about what other engineering students are up to and maybe learn more about how you can join the team!

Friday, March 3rd: ESS Formal Night
Let’s get serious for a moment, dress up fancy, and have a great formal night. Perfect for LinkedIn photos! More details will be coming soon.

Tuesday, March 14th: Curling
Throw some rocks and hurry hard. More details for this event will be coming soon.

Feeling chilly? Stay warm with Viktor Viking!
During these cold, harsh Victoria winters, no industrious UVic engineering student should suffer the dank drafts and biting winds. Well, dear reader, have no fear because Viktor Viking has your back!

We are proud to re-introduce our sweater sales! Labour in your labs in comfort with these stylish pieces of warm fabric. Silently brag to your friends about how awesome Viktor is by displaying images of him emblazoned on your chest!

You can order one of these amazing pieces of merchandise by stopping by the ESS office. You can choose from one of two Viktor designs and your new sweater can be either red, grey, blue, or black.

These sweaters come at a low, low price of $25! We accept cash, debit, and credit.

Also, take a look at the rest of our great schwag in the cabinet beside the ESS office door. We have mugs, hats, stickers, and much more! So stop on by, swipe your credit card, and cover yourself in awesome ESS goods.
Have you ever wondered, “How can I make something that helps the world? How can engineering be a good thing for the world? What do we bring to the table?”

Engineers Without Borders (EWB) uses emerging technology to improve lives in developing countries. However, EWB takes an ‘unlearning’ approach. This means they focus less on engineering technology and more on serving the specific needs of communities. EWB aims to answer this question of ‘What do we bring?’ by first asking ‘What do communities need?’ EWB recognizes that once we begin to understand our role and the social implications of our designs, we can truly have a positive and sustainable impact within communities around the world.

EWB is a non-governmental, non-profit organization with 40 chapters involving 40,000 people with a mission to end global poverty with global engineering. Global engineering aims to tap into the higher potential of the engineering profession by developing the higher potentials of communities around the world. EWB realizes that engineering isn’t just about the designs, it’s also about the people behind them and the people who use them.

Some things the local EWB chapter are working on:

• Getting the entire campus to become fair trade certified
• Sending delegates to the 2017 National Exchange Conference
• Equality in action. An initiative to get a global engineering certificate, which is recognized worldwide.
• Adding three extra courses to the engineering degree. One extra course would be ‘Intro to Global Engineering’ for all engineering disciplines.
• Sending more people to conferences, depending on funding.
• A trip to Africa. This trip, and the training for it, would be funded completely through EWB.
• Connecting with local and global aid organizations

Upcoming Events:

Annual Coldest Night of the Year Walk: Canada’s national walk for homelessness. This fundraiser raises money for hungry and hurting homeless. Help break the cycle of poverty on February 25th.

A fair trade breakfast for students to show that the expense of fair trade goods is worth the positive externalities. Fair trade improves the livelihood for producers by improving their social, cultural, ecological and economic environment. The product is also healthier for the consumer.

Who they need and how to get involved:

EWB isn’t just for engineers. It’s for everyone from all walks of life and all faculties. Spend your years getting your engineering degree not only designing machines, but also designing yourself to know where the global needs are and how they might be addressed.

To get involved, search @ewbuvic on Facebook to check out the meeting times and how they can work around your schedule. Tentatively, meetings are happening every Tuesday at 7:30pm in ECS 130. Just show up. Check it out, no strings attached. If you invest in the club, they will invest in you to help you make the world a better place.

III. Redesigning the World with Engineers Without Borders

Written by: Alicia Fall
The Mars rovers are our best way to learn more about the red planet so there is little wonder that they are some of the most sophisticated robots ever created by humankind. NASA is always looking forward to improve on their robotics technologies to improve these rovers, so they decided to encourage student teams to design and build rovers of their own.

Every year, NASA hosts a rover competition in Utah where student teams build a rover to complete four different tasks over varying terrain. These student built rovers must be able to autonomously retrieve and deliver objects, analyze soil, perform routine maintenance tasks, and perform weather assessments. This is a difficult challenge for any student team and only a few Canadian universities have teams that have the drive to enter this competition. One of those universities is the University of Victoria.

The UVic Robotics Club was founded just recently with the goal of building a rover to enter this competition in 2018. So far, they have constructed a prototype gripper and arm from 3D printed parts and parts ordered online. They also have a grant from APEGBC to fund their goal. The Robotics Club is looking for new members from any discipline or skill level. Team members can expect to learn more about Solidworks, 3D printing, and PCB design. Software oriented people can also learn more about how to program an autonomous robot for complex tasks. They even need business students to manage the financial side of the club.

During the interview, team member Bryce McMath was incredibly enthusiastic about the club while describing what they do and how people can join. He said, “You can be a total noob but still be so useful and still get the most out of it.” If interested in joining the team, you can find the UVic Robotics Club on Facebook or Slack. They also have club meetings in Q-Hut on 5 pm Fridays. You can also email them at uvicrobotics@gmail.com.

V. UVic Urban Legends

It started when I was walking home after an evening lab on Friday night. As I was walking near the intersection of Cedar Hill X and Henderson road, I noticed a group of impeccably dressed people standing around the crosswalk signal. The woman in the lead repeatedly pressed the crosswalk signal in a strange pattern as the people around her looked at their phones impatiently.

A few seconds after the last button was pressed, there was a loud clank from the nearby group of trees. Curious, I hid on the side of the crosswalk as I watched the people walk into the bushes. After waiting a few minutes, the clank occurred again and the people did not return.

Week after week, at around the same time, I noticed groups of well dressed people standing at the crosswalk and pressing the code into the signal. One evening, after I was pretty sure that I had the code memorized, I watched the crosswalk until I found no one in the area. I approached the post and entered the code into the crosswalk signal. Tap once, hold once, tap twice, and hold once. With a loud clank, I saw light emerging from the trees beside me.

As I approached the light, I noticed that it was emanating from a stairway leading down below the ground. As I got closer, I heard faint noises and felt vibrations under my feet. I slowly walked down the stairway until I came to a large steel door. Up above were the words “The Under Martlet” written in stylistic letters. Loud music was pounding behind the door.

Beside the door was a large red button. Briefly thinking about the consequences of pushing a bright red button with no idea of what it does, I pressed it anyway since I was already here.

The door opened. Inside was an amazing array of lights and some of the most beautiful people I’ve ever seen gracing a dance floor. The music was some of the best quality I’ve heard. A grizzled old man behind the door looked at me for a moment and scoffed. “You ain’t ready for this yet.” The man then shut the door.

If you think you have what it takes for Victoria’s hottest secret nightclub at UVic, just remember: Tap once, hold once, tap twice, and hold once.
VI. Engr Snapchats

Want to see your snapchat in the next episode of Engr Snapchats? Send us your snaps and rise to fame in the World of elite snapchat photography.
VII. Rejected Cover Letter

Roc Nation Records  
1460 5th Avenue  
New York City, New York

Dear whoever reading this,

For me, first of all, dopeness is what I like the most. Dopeness. People who want to make things as dope as possible, and, by default, make money from it. There’s nothing I really wanted to do in life that I wasn’t able to get good at. That’s my skill. I’m not really specifically talented at anything except for the ability to learn. That’s what I do. That’s what I’m here for. I will go down as the voice of this generation, of this decade, I will be the loudest voice.

My goal, if I was going to do art, fine art, would have been to become Picasso or greater. That always sounds so funny to people, comparing yourself to someone who has done so much, and that’s a mentality that suppresses humanity. It’s only led me to complete awesomeness at all times. It’s only led me to awesome truth and awesomeness.

One of my biggest achilles heels has been my ego. When you’re the absolute best, you get hated on the most. And if I can remove my ego, I think there’s hope for everyone.

People ask me a lot about my drive. I think it comes from, like, having a sexual addiction at a really young age. Look at the drive that people have to get sex – to dress like this and get a haircut and be in the club in the freezing cold at 3 A.M., the places they go to pick up a girl. If you can focus the energy into something valuable, put that into work ethic. That’s why I will be the leader of a company that ends up being worth billions of dollars, because I got the answers. I understand culture. I am the nucleus.’

I am so credible and so influential and so relevant that I will change things.

-Yeezus
VIII. Co-op Opportunity

Company Name: Anonymous
Job Title: Classified Document Retriever Co-op
Co-op Work Term: 2017 - Summer
Position Type: Top-Secret Co-op, Full Time
Co-op Work Term Duration: 32 Months (8 work terms)
Job Location: It's a secret
Region: See previous point
Salary/Wage: $30/hour + benefits + a short vacation if you’re lucky
Number of positions: 1
Hours per week: 40 - 50 (Hacking is everybody’s full-time job)
Work abroad: Nice try
Job Description:
Do you like hacking? Have you ever participated in a hackathon? Have you ever dreamed of hacking into government servers and “obtaining” classified documents? If you answered ‘yes’ to any of those questions, then this might be the position for you. We are looking for a daring and risk-taking engineering student to assist the senior hackers at Anonymous in order to retrieve important classified documents from around the world, because we like to think big. We must warn you, however, that this position will require two levels of security clearance, an interview with the head of the organization, and finally, a short, non-violent interrogation. We at Anonymous must ensure that our identities and operations are kept confidential and away from the public at all times. However, we encourage you to apply and join our valiant team at Anonymous because we believe in changing the world and teaching our ways to the next generation of dedicated hackers. Apply today and join us for an experience of a lifetime!
"We are Anonymous. We are Legion. We do not Forgive. We do not Forget. Expect us.”

Qualifications:
- Participated in at least one hackathon
- Proficient in at least three programming languages
- Willing to remove the words “theft” and “illegal” from your vocabulary
- Must be able to create your very own custom “Guy Fawkes Mask” at our headquarters’ arts & crafts station
- Willing to work late nights (“studies” have shown that hackers perform best between 12:00am and 3:00am)
- Experienced in making good coffee
- We don’t care about your GPA, those of you who frivolously decide to send us your transcript will be eliminated from the competition
- Willing to take a pledge of secrecy and recite our motto in front of the organization and its corresponding leadership

Further Instructions:
- If you receive a job offer, DO NOT tell your parents or friends (we will find out if you do)
- Be prepared to receive texts from us…you will know it’s us
- Submit your Cover Letter and Resume through your silly job posting system, Learning In Motion
- Do not try to contact us, we will contact you

Thank you for your interest in this position. Those of you who apply and don’t receive a job offer will get arrested. Good luck!

Anonymous
“We are Anonymous. We are Legion. We do not Forgive. We do not Forget. Expect us.”
IX. Games n’ Such

Sudoku #2

```plaintext
  e 5 3  |  8 7  |  c  |  f  |  6  
 d 7 2  |  9 a 6 |  e 3 |  c  |
 c a 2 4 |  8 5  |  1 3 |
  8 1  |  5 c 2 |  7  |
 b  |  |  |  
 b 8  |  e a 6 |  0 9 2 |
 a  |  5 2 7 d |  f 4 |
 2 0 9 5 8 1 |
  6  |  1 0  |  2 3 d |
 2 d 4 c f e |
 f e b a 6 5 8 1 |
 1 0  |  |  c  |
  5 8 0 3  a 2 |
 c 2 6 a f 8 d b |
 f 9 4 c b 2 1 5 3 |
 d 5 3 1 6 c 7 e |
```

Cryptoquote

GLULS PFLZSTIL OLAZSL WZQ FEUL HEPE, TGUESTEOJW, WZQ LGH QB PNTVPTGX AEYPV PZ VQTP PFLZSTLV, TGVPLEH ZA PFLZSTLV PZ VQTP AEYPV.

-VFLSJZYR FZJKLV

Quotes from Engineering

“How can kids go through elementary school giving cootie shots and end up growing up to be anti-vaccers?” - Ram

“I'm in love with my co-op but we might just be in the honeymoon phase.”

“Onions are like opinions, they have a lot of the same letters.”

“Chris Eagle trips a bit and catches himself* ‘Wow that was exciting!’

“When I write ‘30’, I actually mean ‘60’. You will learn.”

- Prof Keivan Ahmadi