

# Eric Mikulin

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## EDUCATION

### U. OF BRITISH COLUMBIA

BASc IN COMPUTER ENGINEERING  
MINOR IN COMMERCE  
Expected May 2021 | Vancouver, BC

### SIR WINSTON CHURCHILL HS INTERNATIONAL BACCALAUREATE CURRICULUM

Grad. June 2016 | Calgary, AB

## LINKS

Github:// [erismik](#)  
LinkedIn:// [ericmikulin](#)  
Devpost:// [ericm99](#)

## COURSEWORK

### UNDERGRADUATE

Software and Hardware Principles  
Operating Systems  
Hardware Programming  
Digital and Analog Circuits  
Unix Tools and Scripting

## SKILLS

### PROGRAMMING

Fluent:

C • C++ • Java • Python/Django  
Javascript • Bash Shell

Proficient:

HTML/CSS • Ruby/Rails • Assembly  
Verilog • Wiring • Rust

Familiar:

iOS (Swift) • Android (Java) • MySQL

### OPERATING SYSTEMS

OSX • Windows

GNU/Linux:

Ubuntu • Arch • Yocto • OpenSUSE

## EXPERIENCE

### D-WAVE | SYSTEMS SOFTWARE CO-OP

May 2018 -> Present | Vancouver, BC

- Created automated docs website publishing pipeline with Terraform and Jenkins pipeline
- Wrote API endpoints in Django backend complete with unit testing
- Created multiple frontend views using React framework
- Wrote and maintained backend integration with Zendesk and Salesforce

### NOVAX | SOFTWARE PROGRAMMER (CONTRACT)

Oct 2017 -> Mar 2018 | Vancouver, BC

- Wrote C userspace drivers in embedded system for i2c gpio and sd card
- Python and Bash scripting
- Updated xml configuration library
- Created Yocto recipes and layers for embedded device

### MINESENSE | SOFTWARE INTERN

May 2017 -> Aug 2017 | Vancouver, BC

- C/C++ Application development for embedded system
- Wrote kernel module to expose application settings in the proc filesystem
- Created Yocto recipes and modified recipes to integrate with new build system

### MINESENSE | SOFTWARE INTERN

Jun 2016 -> Aug 2016 | Vancouver, BC

- Created Unix shell and Python scripts for use in embedded system
- Manually patched and compiled Linux kernel with real time and custom patches
- Modified kernel init and initramfs to boot with overlays (Union filesystem)

### MINESENSE | SOFTWARE INTERN

Jun 2015 -> Aug 2015 | Vancouver, BC

- Created a remote Python unittest framework using python unittest and fabric
- Setup and integrated unittest framework into Jenkins for continuous integration

## AWARDS / QUALIFICATIONS

### QUALIFICATIONS:

2017 Basic w/ Honours

Canadian Amateur Radio License

### AWARDS:

2018 Best use of AWS, et al.

NW Hacks 2018, University of British Columbia

2017 Best Domain

NW Hacks 2017, University of British Columbia

2016 2nd place

Calgary Collegiate Coding Competition, U. of Calgary

## CLUBS AND DESIGN TEAMS

2017/2018 UBC UBC Code The Change

2016/2017 UBC UBC Baja Team