

# 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

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

Javascript • 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

### NOVAX | SOFTWARE PROGRAMMER (CONTRACT)

Oct 2017 -> Mar 2018 | Vancouver, BC

- Wrote C userspace driver development 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	Code The Change
2016/2017	UBC	UBC Baja Team