

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

Over 5000 lines:

C • C++ • Java • Shell

Javascript • Python

Over 1000 lines:

CSS • PHP • Assembly

Wiring • Rust

Familiar:

iOS (Swift) • Android (Java) • MySQL

OPERATING SYSTEMS

OSX • Windows

GNU/Linux:

Ubuntu • Arch • Yocto • OpenSuSE

EXPERIENCE

NOVAX | SOFTWARE PROGRAMMER

Oct 2017 -> Feb 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

Jun 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, University of British Columbia

2016 2nd place Calgary Collegiate Coding Competition, U. of Calgary

DESIGN TEAMS

2016/2017 UBC UBC Baja Team