

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

CLUBS AND DESIGN TEAMS

2017 UBC Code The Change

2016/2017 UBC UBC Baja Team