EUNICE KIM

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Technical Skills

Languages

- Assembly (ARM, 8051/2)
- Bash
- C/C++
- Golang
- HTML
- Java
- JavaScript/TypeScript
- Python
- Verilog, VHDL

Software

- Altium Designer
- CircuitMaker
- Git
- MATLAB, Simulink
- SolidWorks
- Quartus
- ModelSim

Hardware

- Arduino
- De1-SoC
- PCB Assembly

Operating System

- Linux
- Microsoft Windows
- Mac OS

Technical Projects

Grafana Geomap Plugin, 2021

- Used TypeScript to develop a panel plugin for Grafana and AWS

Portfolio Website, 2021

- Developed a portfolio website using Gatsby with React

Grafana ODFE Plugin, 2020

- Used Golang and TypeScript to develop a data source plugin for Grafana and AWS

Freezer Monitoring Server, 2019

- Developed the hospital's freezer monitoring server using Linux, Nagios, and Influx-DB

Coin Collecting Robot, 2019

- Used LPC824 microprocessor with various circuit components to build an autonomous robot that detects and collects coins

Education

Applied Science | *4th Year* | University of British Columbia

- Electrical Engineering, Biomedical Option
- *6 of 8* academic terms completed
- Dean's Honours List
- Anticipated date of graduation: *May 2022*

Experience

Amazon Web Services, Vancouver, BC

Software Development Engineer Intern | *May 2021- Aug 2021*

- Part of the AWS Observability team working on Amazon Managed Grafana (AMG) service projects.

Software Development Engineer Intern | *Sept 2020- Dec 2020*

- Part of the AWS Observability team working on open source Grafana and OpenTelemetry projects.

St. Paul's Hospital, Vancouver, BC

Computer Engineering Intern | *May 2019- Dec 2019*

- Developed, updated and maintained various types of servers currently being used in the hospital for monitoring purposes

Tutoring, Vancouver, BC

Tutor | *Jan 2017- June 2019*

- Led private, one-on-one lesson in high school math, physics, chemistry and English to guide students gain deeper understanding of the contents

Engineering Student Team

UBC Bionics Engineering Analysis and Research (BEAR)

Electrical Sub-team | *June 2018- Dec 2019*

- Part of the Control team to develop a low-cost and low-maintenance bionic hand
- Designed a motor controller circuit PCB using Altium Designer

Administrative Sub-team | *June 2018- Dec 2019*

- Took part in creating the team's proposal and sponsorship package to save cost in our prototypes

Electrical and Computer Engineering Student Society

Co-VP Student Life | *April 2019- April 2020*

- Host multiple social events throughout the year for the students in Electrical and Computer Engineering