EUNICE KIM

🏠 503 1590 West 8th Ave Vancouver

📞 778-866-2981

✉ Eunice98k@gmail.com

Technical Skills

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

Software
- Altium Designer
- CircuitMaker
- Git
- MATLAB, Simulink
- Office 365
- SolidWorks
- Quartus
- ModelSim

Hardware
- Arduino
- Circuit Analysis
- De1-SoC
- PCB Assembly

Operating System
- Linux
- Microsoft Windows
- Mac OS

Technical Projects

Grafana Plugin, AWS 2020
- Used Golang and TypeScript to create a data source plugin for AWS users

Freezer Monitoring Server, St. Paul's Hospital 2019
- Developed the hospital's freezer monitoring server using Linux, Nagios, and InfluxDB

Coin Collecting Robot, UBC 2019
- Used LPC824 microprocessor with various circuit components to build an autonomous robot that detects and collects coins

Photoelectric Heart Rate Monitor, UBC 2019
- Used photo transmitter/receiver pair sensor to calculate BPM in C language

Reflow Oven Controller, UBC 2019
- Designed, built, programmed and tested a reflow oven controller to reflow PCBs

Education

Applied Science | 4th Year | University of British Columbia
- Electrical Engineering, Biomedical Option
- *6 of 8* academic terms completed
- Dean's Honour List
- Anticipated date of graduation: *May 2022*

Engineering Student Team

UBC Bionics Engineering Analysis and Research (BEAR)
Electrical Sub-team | *June 2018- December 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- December 2019*
- Took part in creating the team's proposal and sponsorship package to save cost in our prototypes

Experience

Amazon Web Services, Vancouver, BC
Software Development Engineer Intern | *Sept 2020- Dec 2020*
- Part of the AWS Observability team working on open source Grafana project

St. Paul's Hospital, Vancouver, BC
Computer Technician | *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- Dec 2019*
- Led private, one-on-one lesson in high school math, physics, chemistry, and English to guide students gain deeper understanding of the contents.

Portrait Photography, Vancouver, BC
Photographer | *Sep 2014- Jun 2017*
- Operate specialized equipment such as studio lights, lenses, films, editing software

Chief Sepass Theatre, Langley, BC
Theatre Technician | *Sep 2014- Jun 2017*
- Utilized technical skills to handle lights, sound, projection or fly during school shows and events

Volunteering

Electrical and Computer Engineering Student Society, Vancouver, BC
Co-VP Student Life | *April 2019- May 2020*
- Coordinated multiple social events throughout the year for the students in Electrical and Computer Engineering