SKYLAR LIANG

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Professional Summary

Final year computer engineering student at UBC. Have 16 months of internship experience working in software development and testing, embedded systems and deep learning. Familiar with major programming languages and have a solid understanding of common data structures and algorithms. Can cooperate well with team members and work efficiently alone as well.

- C++, C, Python, Java
- AWS
- Linux
- Git

Education

University of British Columbia
Computer Engineering
Vancouver, BC
Sept 2016 - May 2022
- Dean's Honor List 2018
- Faculty of Applied Science International Student Scholarship 2018
- Trek Scholarship 2017

Volunteering Experience

Volunteer Engineer
WindAid Institute
Trujillo, Peru
July - Aug 2018
- Collaborated with international volunteers and build two wind turbines for a Peruvian village

Work Experience & Projects

AWS Serverless Price Optimization Tool
The University of British Columbia, Department of Electrical and Computer Engineering
Sept 2021 - now

- Machine learning-based solution to serverless function cost and performance optimization
- Designed and developed tools to interact with AWS Lambda in Python
- Cooperates in a team of five and works closely with the client

OS Framework Testing Engineer
Vivo Telecommunications, Shenzhen, China
Jan - June 2021

- Developed and maintained 3 different Android testing tools in Java
- Communicated with teammates effectively to debug and improve the tools
- Read source code from previous projects and Android Open Source Project
- Researched and composed reports on issues encountered in test executions
- Wrote development documentations at a professional level.

IoT System and Application Engineer
NXP Semiconductors, Shanghai, China
Oct 2019 - July 2020

- Worked in the AI IO Solution team with a focus on computer vision and embedded system
- Used C, C++ and Python under Linux environment for development
- Maintained an Android app with Java, C and C++ (NDK)
- Collected and processed model training and testing data
- Translated documentation from Chinese to English at a professional level

Teaching Assistant
University of British Columbia, Vancouver, BC
Jan - Sept 2020

- Assisted the teaching of 2 computer science courses
- Assisted in-class teaching of more than 300 students
- Held weekly office hours and lab sessions