

SKYLAR LIANG

UBC Computer Engineering

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Skills & Professional Development

Technical Skills

- Java, C, C++, Python, JavaScript, Go
- Django, Node.js, Flask
- MongoDB, MySQL, Firebase
- Git, GitHub
- Arduino, Raspberry Pi
- AWS (EC2, RDS), GCP
- Linux, Windows
- Android Studio
- Agile/Scrum

Courses/Training Highlights

- CPSC 322: Introduction to Artificial Intelligence
- CPEN 321: Software Engineering
- ELEC 331: Computer Networking
- CPSC 304: Relational Database

Experience

Teaching Assistant – the University of British Columbia, Vancouver, BC

Jan– April 2019

- Teaching assistant for CPSC 261: Basics of Computer System
- Assisted the teaching and marking of more than 100 students
- Held weekly office hours

Computer Science Tutor – K&D Education Institute, Vancouver, BC

Jan 2018 – Jan 2019

- Tutored university level courses in C and Java

Volunteer Engineer – WindAid Institute, Trujillo, Peru

July - Aug 2018

- Collaborated with volunteers from all over the world built and installed two wind turbines for a Peruvian village.

Education

The University of British Columbia – Vancouver, BC

Undergraduate in Computer engineering, expected graduation May 2020

- Dean's Honor List (2018)
- Scholarships: Faculty of Applied Science International Student Scholarship (2018)
- Trek Scholarship (2017)

Projects

Personal Websites – Built and maintaining personal websites for myself and friends

April 2019 – present

- Personal Project: HTML, CSS, JavaScript, web design

Memory Frame - an electronic photo frame with voice control and an Android app

Mar 2019

- Group Project: Android, Firebase, Alexa, Raspberry Pi, Python
- Developed backend for communication between firebase and user ends (Java and Python)

Share Chore - an app for roommates to keep track of everyone's share on housework

Feb 2019

- Hackathon project: Android
- Co-developed frontend and backend with XML and Java
- Learnt to use Android Studio and built a functional app within 24 hours

Store Way-finder - help specialty store customers to locate themselves and find items

Jan – Feb 2019

- Group Project: Raspberry Pi, Python, AWS, MySQL
- Back-end developer on database and Bluetooth communication using python
- Managed cloud database on AWS