

Vandy Liu

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WORK EXPERIENCE

AMAZON AWS STEP FUNCTIONS

AWE Software Development Engineer (SDE) Intern, May 2019 – present

Java, HTML, JavaScript

- Improving the internal developer web application tool used by the Step Functions team by adding new features, fixing legacy features and updated user interface to increase user experience
- Implemented new APIs and fixed deprecated APIs for the developer tool as well as tested them with junit and Mockito

UBC COMPUTER SCIENCE DEPARTMENT

Lead Teaching Assistant, Sep 2018 – Apr 2019

- Foster active participation in a laboratory environment and guide students to develop their knowledge of fundamental computer science concepts

TECHNICAL PROJECTS

(PERSONAL) PRIORITY TASK MANAGER ([VANDYLIU.GITHUB.IO/TASKS.HTML](https://vandyliu.github.io/tasks.html))

HTML, Firebase, & JavaScript, Jan 2019 - present

- Developing a web application that manages tasks/to-do list items originally using binary heaps
- Creating functions in JavaScript to update the Firebase database when adding tasks, removing tasks and change the order of tasks by changing the priority
- Users can input tasks with details such as due date, difficulty and time it will take and with the press of a button, outputs a single task to complete based on the priority so users do not feel overwhelmed by the amount of stuff they have to do

(HACKATHON) MYSOIL COMMUNITY GARDENER AID

JavaScript, React, Firebase & Arduino, Feb 2019

- As a member of a team of five, developed a web application with React for the front-end and Firebase for the back-end with a specific focus on the back-end development for a 24-hour hackathon
- Independently worked on setting up the back-end database with Firebase and wrote functions in JavaScript to transfer plant and plot information from web server to database and vice versa

(PERSONAL) DISCORD REMINDER BOT

JavaScript & Node.js, Dec 2018

- Developed an online Discord (messaging application) bot using Node.js that can set reminders for a user by typing in the message box

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA, Vancouver, BC

Bachelor of Science in Computer Science, Sep 2017 – Apr 2022 (expected)

- GPA: 93%
 - Notable courses: Object-oriented Programming: 98%, Algorithms and Data Structures: 95%
- Trek Excellence Scholarship (Top 5%) – 2018

TECHNICAL SKILLS

- Java, C++, C, JavaScript, HTML, CSS, Python, IntelliJ, Git, Firebase