Vandy Liu

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EDUCATION

University of British Columbia   Sep. 2017 – Apr. 2022
Bachelor of Science in Computer Science   GPA: 93%

Relevant Coursework: Data Structures and Algorithms, Object-oriented Programming, Computer Hardware and Operating Systems, Linear Algebra, Calculus I, II, III, Discrete Math, Probability

EXPERIENCE

Microsoft (Incoming)   Jan. 2020 - Apr. 2020
Software Engineer Intern, Garage Program   Vancouver, BC

Splunk   Sep. 2019 - Dec. 2019
Backend Software Engineer Intern   Vancouver, BC
- Currently working on the Machine Learning API using Kubernetes, Go and Python in the Splunk Cloud Services
- Created a shared python library for the machine learning team to generalize and easily initialize CI/CD processes for existing and new repositories using JFrog CLI, Jenkins, Docker and Python

Amazon   May 2019 - Aug. 2019
Software Development Engineer Intern   Vancouver, BC
- Fixing and improving the full-stack developer operations console used by the AWS Step Functions team by adding new features, fixing legacy features and updating the Angular UI for improved user experience
- Implemented new Step Functions APIs and fixed deprecated APIs in Java and tested them with jUnit and Mockito
- Implemented Python scripts to automate the resolution of EC2 host retirement tickets using AWS SNS and AWS Lambda
- At an internal hackathon, built an Alexa skill with AWS Lambda and Node.js that tracks attendance for after-school programs

TECHNICAL SKILLS

Languages: Java, Python, Javascript, HTML, CSS, C, C++, SQL, Rust, Go
Technologies: React, AWS, Docker, Kubernetes, Jenkins, Firebase, MongoDB, Git

PROJECTS

NBA Box Score Quick   https://vandyliu.github.io/boxscorequick
React, Python, Flask
- Architected and developed a full-stack web application that displays box-score stats for in-progress and finished NBA games on a user-selected day

Priority Task Manager   https://vandyliu.github.io/tasks.html
HTML, JavaScript, Firebase
- Developed a full-stack web application that manages tasks/to-do list items originally using binary heaps and now using Firebase
- Users can input tasks with details such as due date, difficulty and time it will take and with a button press, a single task to complete based on the priority is outputted so users don't feel overwhelmed by the number of tasks they have

mySoil.space (Hackathon)
React, Firebase, Microsoft Weather API, Arduino
- A mobile web application to make community gardening easier to keep track of neighborhood plants and crops
- Using the Microsoft Weather API and our Arduino sensor that detects soil moisture, an algorithm determines if a plant needs to be watered along with other tasks and reminders

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