

Stella Wang

Software Developer

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Education

University of British Columbia

Expected May 2023

Bachelor of Applied Science – Computer Engineering

Dean's Honour List (3.95/4.33 GPA)

Experience

Amazon Web Services

Jun – Sep 2022

Software Dev Engineer Intern

- Increased customer satisfaction by implementing bulk import for JSON files from S3 to Timestream
- Expedited feature launch date by 2 months by managing the user story: researching customer requirements, leading design reviews, documenting high level & low level designs, implementing a file parser in Java, implementing exception handling, testing edge cases, and updating the API model

MLH Fellowship

Jan – Apr 2022

Solana Fellow

- Extended web3.js library usability by implementing missing RPC calls in TypeScript that allow reading, writing, and executing transactions from the Solana blockchain
- Allowed full stack dApps to be created in under one hour for new blockchain developers by creating a Vue dApp scaffold and adding tutorial code snippets to the Solana Cookbook

Clackd (<https://clackd.com>)

Dec 2020 – Jan 2022

Software Engineer

- Built 10+ API endpoints for a custom mechanical keyboard website startup using AWS Lambda and API Gateway and integrated them with a React frontend and PostgreSQL database
- Reduced development time for testing API endpoint by configuring Jest, designing a test template and detailing documentation for unit testing Lambda functions in JavaScript

SAP

Sep 2020 – May 2021

Agile Developer Intern

- Collaborated with UI/UX and product teams to develop frontend features on SAP Analytics Cloud homepage using TypeScript and Jasmine for enterprises such as Apple & Porsche
- Reduced testing time by 5 hours per week by automating frontend tests using Selenium
- Improved SAP HANA backend performance by 8% by reducing redundant SQL calls in Java

Projects

BLM Tracker - MLH Fellowship Orientation Hackathon finalist

Jun 2020

- Created a dynamic heatmap webapp that shows areas in the US with the most active BLM movement using a Tweepy twitter scraper, MongoDB database, Google Maps API, Keras/TensorFlow data analysis, Python backend and Flask frontend

Fellow Crossing - MLH Fellowship Halfway Hackathon winner

Aug 2020

- Promoted interpersonal interactions between fellows in a remote work environment by building an online multiplayer video game using Godot Game engine and Python

Custom Operating System ([OS161](#))

Dec 2021

- Implemented critical kernel infrastructure in a teaching operating system, including synchronization primitives, processes and file tables, system calls and virtual memory in C

Skills

Languages: Java, C/ C++, JavaScript, TypeScript, Python, SQL, HTML, CSS

Technologies: Git, React, Vue, Express, MongoDB, Jasmine, Jest, Junit, Selenium