

# Stella Wang

Software Developer

## Education

**University of British Columbia**

September 2018 - May 2023

*Bachelor of Applied Science in Computer Engineering with Distinction*

GPA: 4.00/4.33

## Experience

**Amazon Web Services**

July 2023 - Current

*Software Dev Engineer*

- Responsible the deployment engine that serves all Amazon and AWS services by deploying millions of packages to millions of hosts across the world everyday
- Ensuring availability and scalability of package data to the respective servers and data centers and executing deployment code on end hosts to serve applications for customers

**Amazon Web Services**

June – September 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**

January – April 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

**SAP**

September 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, Ruby, Python, SQL, HTML, CSS

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