**Stella Wang**

*Software Developer*

**Experience**

**Amazon Web Services (Apollo)** July 2023 – Current

*Software Dev Engineer*

* Developing features and guaranteeing availability for the deployment engine that serves all Amazon and AWS services by moving millions of packages to millions of hosts across the world everyday
* Migrated authentication mechanism for our services to allow them to be built with zero manual actions during new region builds thus speeding up each region launch by 2 weeks
* Built deployment services in new isolated regions which require special steps to bring artifacts to secure data centers not accessible by public internet to allow AWS services to deploy. Delivered the project two weeks before the deadline and secured billion dollars from government deals

**Amazon Web Services (Timestream Database)** 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*

* Developed frontend features in Typescript to help launch a faster and smoother homepage for SAP Analytics Cloud used by enterprises such as Apple & Porsche
* Reduced testing time for our team by 5 hours per week by automating frontend tests using Selenium
* Improved latency by 8% by finding and removing redundant SQL calls to SAP HANA backend

**Education**

**University of British Columbia** September 2018 - May 2023

*Bachelor of Applied Science in Computer Engineering with Distinction*

GPA: 4.00/4.33

**Projects**

**BLM Tracker** - *MLH Fellowship Orientation Hackathon finalist* June 2020

• Created a dynamic heatmap webapp showing areas in the US with the most active BLM movement

using Python, MongoDB database, Keras, TensorFlow, and Flask

**Custom Operating System** ([OS161](https://github.com/stellaw1/os161-amir-stella)) 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++, Go, Ruby, Rust, Perl, JavaScript, TypeScript, Python, SQL, HTML, CSS

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