

MAE WANG

GRADUATION DATE: SPRING 2022

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WORK EXPERIENCE

Amazon Summer Intern (Front-end Web Developer/Physical Stores Tech Team)

Seattle Branch, May 17 - August 20, 2021

- Implemented new inventory audit dashboard to replace outdated dashboard with ReactJS and Amazon libraries
- Unit-tested new dashboard with 95% test coverage with Jest and Enzyme
- Deployed new dashboard onto AWS platform with dedicated multi-staged AWS accounts, pipeline, and version
- Debugged existing backend inventory audit service code errors
- Code-reviewed team's backend inventory audit service implementations

Qualcomm Summer Intern (Full Stack Web Developer/WLAN Tools Team)

San Jose Branch, May 18 - August 21, 2020

- Designed and deployed a full-service WLAN board data file (BDF) web tool with ReactJS, Express, Python, and JSON
- Implemented BDF editor (real-time parsing million rows of data) with search, tag, and dec/hex mode features
- Built tag system to categorize user's BDF edits and allow other users to select/copy tagged edits
- Developed BDF conversion/propagation/merger tools built on pre-existing python scripts
- Improved runtime by handling multi-request loads with Node.js cluster and child processes

EDUCATION

University of California, Berkeley (UC Berkeley) - B.A. in Computer Science

3.475 GPA, August 2018 - present

PROJECTS

Computer Graphics

- Constructed a 2D vector-based rasterizer for SVG input files
- Implemented geometric 3D modeling with triangle meshes and mesh upsampling with loop subdivision
- Built 3D renderer with ray-scene intersection, acceleration structures, and physically-based lighting and materials

Web Development

- Implemented backend of "Google Maps" web mapping application using real-world mapping data and Java
- Created a visualization of restaurant ratings with AI and the Yelp academic dataset using Python
- Built a personal website with HTML, CSS, and the JavaScript library p5.js

iOS App Development

- Built a "Snapchat" app with cloud-based record of snaps using Swift and FireBase
- Constructed a beverage searcher app utilizing crowdsourcing and cloud using Swift and FireBase
- Implemented a cryptocurrency ticker from the Cryptonator RESTful API using Swift

SKILLS

Languages:

Java, Python, JavaScript, Go, C++, C, Swift, CSS/HTML 5, C#, SQL

Programs and Tools:

ReactJS, JSON, Jest, Enzyme, AWS, Firebase, Docker, Xcode, Unity3D, Unix, Linux, Vim, Git/GitHub

OBJECTIVE

College fourth-year seeking software full-time new grad entry position. I will perform tasks in a professional setting with dignity, alacrity, and respect.