

He (Mackenzie) Jiang

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Professional Summary:

A Master's student in Software Engineering with programming experience in Java, Python, Node.js, React, Vue, MongoDB, MySQL.

Professional Experience:

Software development Intern | Spontit, Inc | Palo Alto, CA | February 2020 - August 2020

- Built the company's website from scratch in React and Express.
- Implemented backend API functions in Python. Worked with Docker, AWS EB, DynamoDB.
- Implemented a Wordpress plugin, and implemented IFTTT integration.

Software development Intern | Togg | Berkeley, CA | December 2018 - January 2019

- Created a full-stack web application for tracking health device status.
- Used tools including Node.js, Vue.js, Express, MySQL, Google PubSub, Google Cloud Platform.

Education:

M.S Software Engineering

San Jose State University | San Jose, CA | August 2018 - current

- Courses: Operating Systems, Software Engineering Processes, Data Structure C++, Enterprise Software Platforms, Cloud Technologies, Virtualization Technologies, Enterprise Distributed Systems.

B.A Cognitive Science (concentration in computer science), B.A Japanese Language and Literature

University of California, Berkeley | Berkeley, CA | August 2014 - May 2018

- Courses: Structure and Interpretation of Computer Programs, Data Structures, User Interface Design and Development, Introduction to Database Systems, Theory and Practice of Japanese Translation.

Projects:

Bus Location Tracker (ReactJS, Google Maps API, 511.org API, Victory charts, Axios)

- Created a React-based bus location tracking application with real time data fetched from 511.org API.
- Displayed bus location on Google Maps and shown average speed between stops in Victory charts.

Smart Coffee Maker (Node.js, Vue.js, WebSocket, MongoDB, MySQL)

- Created a web application simulating coffee ordering and customization activities from multiple clients.
- The web client and server implementations follow the LWM2M Protocol.

Smart Sensor Dashboard (Node.js, Vue.js, MongoDB, MySQL)

- Created a dashboard visualizing simulated sensor data from MongoDB and MySQL.
- Also used Vuetify and Express, deployed to Heroku.

All-in-one Marketplace (PHP, MySQL, HTML, CSS, Javascript)

- Collaborated with a group to create an online marketplace that supports user registration, review/rating submission, mostly/recently viewed tracking on multiple company websites.

Skills:

Programming: Java, Python, Node.js, Vue.js, React.js, Javascript, HTML, SQL, MySQL, MongoDB.

Languages: Mandarin Chinese (native fluency), English, Japanese (JLPT N1 certified).