

Contact

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chenjiewu.com (Personal)

Top Skills

C++

Amazon Web Services (AWS)

Bootstrap

Chenjie Wu

CS Master's Student @ USC | Ex-Software Intern at Dorabot Inc. |
Seeking 2024 SWE Full Time Job
Los Angeles, California, United States

Summary

I am an aspiring software engineer currently pursuing my Master's degree in Computer Science at the University of Southern California. I've worked on robust web applications end to end, as demonstrated by my past internships at Dorabot developing web APIs to automate training and testing for logistics container planning algorithms. I previously graduated from the University of Michigan, Ann Arbor with a Bachelor's in Computer Science. I am seeking 2024 Software Engineering full time job.

Technical Skills:

Programming: Java, C/C++, Python(NumPy, Pandas), SQL, HTML & CSS, JavaScript, TypeScript

Frameworks: Flask, Vue.js, Bootstrap, Angular, Node.js Express, PyTorch

Database/Big Data Engineering: MongoDB, MySQL, PostgreSQL, Redis

Industry Knowledge: AWS(EC2), GIT, CI/CD, JPA, Android development, JUnit, PyTest

Feel free to contact me at: wucj.eric2015@outlook.com

Website: <http://chenjiewu.com>

Experience

Dorabot

Software Engineer Intern

May 2021 - August 2021 (4 months)

Peachtree Corners, Georgia, United States

Developed and maintained Web APIs to automate training and testing of 10+ container planning algorithms used in the logistics industry based on Flask,

Vue.js and PostgreSQL, making the algorithm pipeline more standardized and efficient.

Improved incoming training/testing request speed significantly by implementing the waiting queue for using Redis cache.

Wrote and deployed scripts for CI/CD pipelines to maintain more than 2000 lines of high-quality source code merging into major branches of AIoT Department's Gitlab repo and ensure smooth rollouts with minimal regressions.

Gizwits IoT Technology Co., Ltd.

Software Engineer Intern

July 2020 - August 2020 (2 months)

Guangzhou, Guangdong, China

Implemented unit tests and integration tests covering the end-to-end usage of Web APIs for IoT devices using PyTest, finding 18 major bugs and reported the details with documentation back to the development team for feedback.

Trained an LSTM-based machine learning model to detect machine breakdowns in the production line of a sewing company using PyTorch, followed by comprehensive testing and validating to verify precision and accuracy of detection.

The Ohio State University

Student Grader

January 2020 - May 2020 (5 months)

Columbus, Ohio, United States

Worked as TA and grader in CSE 2221 Software I, hosting lab sessions and graded homework for a 50-student class.

Graded students' homework and projects fairly and timely, and answered students' in-class questions in detail.

Education

University of Southern California

Master's degree, Computer Science · (August 2022 - June 2024)

University of Michigan

Bachelor's degree, Computer Science · (2020 - 2022)

The Ohio State University

Transferred out, Computer Science · (August 2018 - June 2020)