Garrett Wong

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Skills

Languages: Python, Ruby
Technologies: Flask, Ruby on Rails, MySQL, Redis

Work Experience

EasyPost – Software Engineer – Remote January 2022 – Present

Software Engineer III - (April 2022 – Present)

- Spearheaded the development of EasyPost's UPS OAuth 2.0 integration with a team of three, introducing a service that processes 50M+ daily requests and serves as a model for future OAuth integrations
- Implemented first-of-its-kind asynchronous tracking services for UPS, FedEx, and DHL, reducing response times by over 82% while handling 100M+ daily requests and establishing a foundation for similar carrier integrations
- Improved deployment confidence for the FedEx FUSE integration, a unique but historically unmaintained service for high-volume enterprise clients, by creating automated testing scripts, deployment accounts, and comprehensive documentation.

Software Engineer I (January 2022 – April 2022)

- Initiated and implemented custom tooling that enabled support team members to upload customer-specific UPS rates, eliminating reliance on engineers for repetitive tasks
- Collaborated with customer support to resolve issues in Python Flask services, rapidly deploying fixes across 70+ carrier integrations to improve reliability and customer satisfaction.

Qualcomm – Embedded Intern – San Diego, CA June 2020 - May 2020 June 2021- May 2021

- Integrated ARM CoreSight self-hosted trace features on a new SoC for the Snapdragon CPU team, enabling non-intrusive debugging by capturing executed instructions without impacting performance
- Automated Trace32 workflows with batch scripts to streamline trace setup and analysis, while debugging Linux kernel device drivers and libraries

Toyota R & D – Fall Co-op Electronics Systems – Ann Arbor, MI Aug 2019 – Dec 2019

- Initiated a side project to plot CAN messages using numpy, matlibplot, and opencv for IVS Smart Trailer
- Analyzed eye tracking data using visual basic to support design proposals presented to local and overseas stakeholders
- Benchmarked competitor OEM trucks inform next-generation Tacoma cockpit electronics development

University of Texas – Embedded Systems TA – Austin, TX Aug 2020 – Dec 2020

- Educated class of 45 students about ARM Architecture and programming microcontrollers in C and Assembly
- Demonstrated usage of Logic Analyzer and Oscilloscope to train students in hardware debugging

UT Longhorn Maker Studio – Student Staff – Austin TX Aug 2018 – May 2019

- Created a custom PCB for student trainings to utilize UT's electronics lab tools
- Helped train students in use of PCB prototyping, SMD soldering, and CAD

Education

The University of Texas at Austin Dec 2021
BS - Electrical and Computer Engineering Honors GPA: 3.75