

Eason Chang

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EXPERIENCE

WESTERN DIGITAL | Software Development Engineer

Aug 2019 - Current | Milpitas, CA

- Worked on the Internal Tools Team - Data Analytics.
- Developed a suite of web applications leveraging Angular and Python flask to help employees manage a large repository of configuration files in an Excel-like UI, resulting in adoption by over 700 engineers and eliminating 100% of existing human errors.
- Recognized with an internal award by the end-users for going above and beyond in managing requirements, timelines, working cross-functionally to manage expectations on deliveries, and delivering the project from concept to minimum viable product.

HEALTHWARE INC. | Software Engineer Intern

Apr - June 2019 | San Diego, CA

- Utilized ReactJS, Express, NodeJS, and MySQL to develop PrecisePK, a pharmacokinetic-based drug monitoring software. Pioneered a rewrite of the desktop application into a web application to satisfy customer needs and made the software more accessible.
- Worked on the secure user management system allowing users to register, login, and recover or reset passwords.
- Deployed the application through Amazon Elastic Compute Cloud (EC2) and Relational Database Service (RDS) with Amazon Web Services (AWS).
- Recognized by the CEO for impactful contributions in writing extensible and reusable code that other developers have since built on.

CROCUS AI | Software Engineer Intern

Jun - Sept 2018 | San Jose, CA

- Utilized Java, Spring, and JavaServer Pages to develop an enterprise application that improves customers' ability to manage their factory hardware system configurations. Reduced travel for field engineers to sites, cut down business travel time and cost by 75%, and saved an additional \$70000.
- Implemented a search API as a REST endpoint within the application to enhance usability and navigability.
- Implemented transactional features for database operations and redesigned the API to process a series of system updates in batches, improving time efficiency of updates by 66%.
- Increased the test suite of unit tests and application integration tests by 50% and achieved 95% test coverage.

COGS DEPARTMENT AT UCSD | Undergraduate Teaching Assistant

Mar - Jun 2019 | San Diego, CA

- Served as an undergraduate teaching assistant for Human-Computer Interaction Programming Studio (COGS121) with Professor Philip Guo.
- Communicated between students and faculty members to help teach human-computer interaction and full-stack web development.
- Mentored over 40 students on their quarter-long projects by providing design feedback and helping with debugging.
- Held office hours, answered students' questions online, and graded assignments, exams, and project milestones.

EDUCATION

University of California, San Diego

Class of 2019, GPA: 3.42 / 4.0

B.S. in Mathematics, Computer Science

Awards: James R. Bunch Scholarship Awardee, Provost's Honors List

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6), Python, Java, C#, HTML/CSS

Libraries & Frameworks: Angular, Flask, Bootstrap, Spring, JavaServer Pages, NodeJS, SQL Server

Testing & Tools: Hamcrest, Mockito, JUnit, Git

LINKS

GitHub: <https://github.com/easonychang> | LinkedIn: <https://www.linkedin.com/in/easonychang>