



Chen Kai Zhang

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EXPERIENCE

Software QA Engineer Intern / Dolby Laboratories - Sunnyvale, CA

June 2022 - Current

- Developed automation test scripts for Dolby Vision TV SDK for quick and error free Dolby Vision verification tests
- Utilized team development tools such as Git to manage and verify code versions
- Developed API for communication between Python and required test tools for testing
- Wrote easy to understand test procedures for users to follow when using tools
- Participated in code reviews and followed an AGILE development process

Lifeguard / UCSC Aquatics and Recreation - Santa Cruz, CA

June 2020 - June 2022

- Rescue distressed swimmers and perform CPR and First-Aid
- Enforced pool rule to ensure the safety of people
- Developed teamwork skills to provide the best possible treatment during emergencies

EDUCATION

Bachelor of Science: Computer Science @ University of California, Santa Cruz - Santa Cruz, CA

June 2020 - December 2022 (2 years)

- 3.70 GPA
- Electives: Computer Networks, Machine Learning, Computer Graphics, Operating Systems

SKILLS

- Advanced proficiency in Bash, C, Git, Java, JavaScript, Linux, HTML/CSS, Python 2/3
- Working proficiency in Assembly, Go, NextJS, ReactJS, Ruby, SQL, VueJS
- Knowledgeable in api development, automation, databases, frontend/backend development, machine learning, networking, operating systems

PROJECTS

unBounded (<https://unboundedsw.com>) - HTML\CSS + JavaScript (Express, Node, Paypal)

- Developed a fully functional ecommerce website using HTML\CSS frontend and Node JS backend
- Hosted a Node server on a Synology NAS that can retrieve dynamic data from MongoDB
- Integrated Paypal API, enabling user transactions
- Hosted web server on Synology NAS allowing public access to the webpage

Test Automation for Dolby TV and Monitor SDK - Python

- Created new tests for increased test coverage.
- Integrated automated audio and video sync test to Dolby TV and Monitor SDK with intent of shipping to customers
- Developed M41H (test tool) capture and verification automation that saved hours of manual labor.

Manga Scrapper - Python

- Developed a web scrape API that saves any chapter of a manga requested onto my computer
- Hosted the web scrape API on a Flask server on my computer

Live Loop - JavaScript + PostgreSQL

- Develop a website that displayed live location of UCSC Loop Buses on a map using React Native
- User information and bus locations are saved in a database and retrieved using PostgreSQL

PintOS - C

- Created a more efficient timer such that threads will no longer busy wait
- Implemented a priority system such that threads with higher priorities will run first
- Added user program execution functionality