



Chen Kai Zhang

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EXPERIENCE

Software QA Engineer Intern / Dolby Laboratories - Sunnyvale, CA

June 2022 - June 2023

- Developed automation test scripts for Dolby Vision TV SDK for quick and error free verification
- Extract and analyzed data to help the team evaluate the best approach when developing tests
- Utilized team development tools such as Git to keep code organized
- Developed API for communication between Python and required test tools for testing
- Created new tests for increased test coverage.

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

- Proficiency in Java, JavaScript, fullstack development, ReactJS, NextJS, NodeJS, HTML/CSS, SQL, MongoDB, Python 2/3, C
- Knowledgeable in api development, databases, machine learning, networking, operating systems, python automation

PROJECTS

YesNo - NextJS + CSS + NodeJS

- A simple and modern survey tools that enables users to find out whether people like or dislike something
- Built on a NextJS framework with data maintained on PlanetScale MySQL

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

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

Test Automation for Dolby TV and Monitor SDK - Python

- 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 sped up data extraction and analysis

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