JEFF ZHANG

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EDUCATION

UNIVERSITY OF CALIFORNIA-SANTA CRUZ, Santa Cruz, CA Expected Graduation: June 2024
Bachelor of Science in Computer Engineering GPA: 3.53/4.00
Coursework: Full Stack Development, Software Engineering, Embedded Systems, Database Systems, Principles of Computer Systems Design, Data Structures and Algorithms, Object Oriented Programming

WORK EXPERIENCE

UC SANTA CRUZ - POLICE DEPARTMENT, Santa Cruz, CA January 2024 - Present
Software Engineer
- Lead implementation of RFID inventory system and customized dashboard, incorporating **microcontrollers** for hardware integration and utilizing **NERP stack** for dashboard development.
- Collaborated closely with end users to gather feedback and iteratively refine designs in **Figma**, resulting in a user-centric interface optimized for usability and visual appeal.
- Guide the team utilizing **SCRUM** practices, ensuring efficient project management and timely delivery of milestones.

UCSC SLUG GAMING, Santa Cruz, CA June 2023 - Present
Web Developer
- Developed a dynamic website for a school gaming club utilizing **React** and **Tailwind CSS**, implementing strategies to streamline processes and reduce operational overhead.
- Successfully deployed the website, resulting in over 1000% increase in site visitors.
- Implemented **Figma** for design and prototyping, ensuring an intuitive user interface.

OPPORTUNITIES FOR ALL | GOOGLE, San Francisco, CA July 2022 – August 2022
CSI Tech Intern
- Created a website that effectively raised awareness about littering issues in San Francisco, utilizing **HTML**, **CSS** and **Javascript** for front-end development.
- Engaged in cross-functional meetings with Google employees from various departments, gaining valuable insights into the tech industry.
- Actively participated in job readiness and career development workshops.

PROJECTS

ECOSCAN
- Led a Full Stack development project at CruzHacks with 300+ participants, employing **React**, **Tailwind CSS**, **Flask**, **Firebase**, and **OpenAI**. Developed an environmental impact assessment tool that utilized **Beautiful Soup** for scraping data from Amazon, providing insights into the sustainability and environmental impacts of products. The project earned recognition, winning the **Most Ambitious Award**.

RESTAURANT-ORDERING-SYSTEM
- Guided a cross-functional team of 6 to develop a Full Stack Restaurant POS System, playing a significant role in front-end development. Utilized **Figma** for prototyping and implemented designs with **React.js** and **Tailwind CSS**. Designed and implemented an engaging and user-friendly interface, enabling users to browse menus and place orders, while empowering restaurants to efficiently manage orders.

EDUTRADE
- Contributed to an educational social media platform by designing and implementing various features, such as a marketplace, live chat, forum discussions, and user profiles. Integrated **Firebase** back-end services to handle user authentication, data storage, and real-time interactions. Built the front end using **React** and **Tailwind CSS**, crafting a visually appealing and user-friendly interface that allows users to search, filter, and effortlessly view product listings.

TECHNICAL SKILLS

Programming: HTML, CSS, JavaScript (ES6), SQL, Python, C
Frameworks/Libraries: React.js, Tailwind CSS, Express.js, Flask, Material UI, Bootstrap, Jest, Puppeteer
Tools: Node.js, PostgreSQL, Firebase, Git, Github, Visual Studio Code, Figma, Jira