

Jackson Tran

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EDUCATION

University of California, Santa Cruz

Bachelor of Arts in Computer Science; GPA: 3.9

Santa Cruz, CA

June 2023

EXPERIENCE

Open Source Contributor

Sept 2022 – Sept 2023

OpenStreetMap

Remote

- Engage proactively in weekly developer meetings, collaborating with a global team of developers to support the maintenance of MapRoulette's website
- Developed technical solutions to address GitHub issues and user concerns, enhancing the website's functionality and user experience.
- Enable direct communication with website maintainers and expedite issue resolution by implementing an issue reporting feature using React, JavaScript and GitHub API
- Developed a database analytics feature to analyze over 10,000 data entries using React, JavaScript, and Scala, providing a comprehensive understanding of user behavior and the performance of mapping challenges and projects

Lead Software Developer

Mar 2022 – Aug 2023

Tech4Good

Santa Cruz, CA

- Managed and directed multiple development teams in the design, implementation, and maintenance of complex Angular-Firebase web applications
- Collaborated with the research team to identify technical solutions for social computing projects, drafting implementation designs and requirements to guide development efforts
- Communicated with UI/UX designers in the ideation process and translated design concepts into user interfaces using TypeScript and SCSS within the Angular framework
- Conducted code reviews and development testing, ensuring high-quality code and standards of the product
- Modeled NoSQL backend schema designs to better scale with relationships amongst entities with denormalization

Software Engineer Intern

Feb 2023 – June 2023

ChargePoint

Campbell, CA

- Collaborated with a team of software engineers and test engineers in implementing new testing features and methods using Python
- Enhanced testing productivity resulting in 70% faster testing cycles by building an automated regression testing system with Jenkins that validates both the testing software and embedded software in test
- Extended company's testing framework in Python to generate configurable test data presented in JUnit-XML format that visualizes in the Jenkins test report
- Created a Jenkins job model that serves as a replicable node, enabling the expansion of the CI/CD infrastructure to accommodate testing across a range of software versions and embedded softwares

PROJECTS

SF Ready Meals | *React, Express, Sequelize, PostgreSQL, Heroku*

- Full-stack web app built with React, Node.js, and Express that offers detailed information and locations of organizations providing free hot meals to eligible citizens through the SFHSA's Congregate Meals Program
- Successfully presented to San Francisco Human Service Agency and currently adopting into their operations

Spoti-File | *Next.js, Express, Tailwind CSS, Spotify API*

- React web application for visualizing personalized Spotify data such as top tracks, artists, recommendations, and audio features

BlackJak | *Gatsby, React, Styled Components, Framer*

- A classic casino game, Blackjack, developed in React with engaging Framer animations

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, HTML, CSS/Sass, Python, Swift, Java, C++

Libraries & Frameworks: React, Angular, Express, Next.js, Gatsby, Tailwind, Bootstrap

Tools & Platforms: Git, GitHub, Netlify, Vercel, Heroku, Docker, Firebase, Figma, Jenkins