Jackson Tran, San Francisco, CA

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EDUCATION

- **University of California, Santa Cruz** — Santa Cruz, CA
  Bachelor of Arts in Computer Science; GPA: 3.9 — *2023*

EXPERIENCE

- **OpenStreetMap** — Remote
  Open Source Contributor — *Sept 2022 - Present*
  - Contribute to MapRoulette, a web application open-source project for crowdsourcing geographic data and mapping, using React, JavaScript, and Tailwind
  - Collaborate with developers globally through GitHub pull requests, code review, and issue tracking
  - Implement issue tracking system, administrative database analytics, and unauthenticated public pages that positively impacted user experience
  - Actively participate in weekly developer meetings and discussions to shape project roadmap

- **Tech4Good** — Santa Cruz, CA
  Research and Development Intern — *Mar 2022 - Aug 2023*
  - Served as a lead developer, overseeing and guiding a team in the design, development, and implementation of complex research web applications
  - Architectured the frontend component structure of Angular-Firebase web applications for sustainable modularity and performance
  - Communicated with UI designers and developed user interface component using Angular, TypeScript, SCSS
  - Modeled NoSQL backend schema designs to better scale with relationships amongst entities with denormalization

- **Chargepoint** — Campbell, CA
  Software Engineer Intern — *Feb 2023 - June 2023*
  - Assisted senior developers in designing and implementing new testing features and methods using Python
  - Streamlined testing processes by implementing an automation infrastructure with Jenkins, effectively replacing highly manual tasks and enabling easier scalability
  - Collaborated with the QA team to identify and resolve bugs, improving software reliability
  - Participated in daily stand-up meetings and code reviews to ensure code quality and consistency

PROJECTS

- **Dynamic Surveys**: Survey platform using response clustering to generate qualitative and quantitative reports
  - Created JavaScript cloud functions that interfaces with NLP softwares to produce datasets that share similarities

- **ExploreCareers**: Career guidance platform that integrates online career database with TikTok through AI
  - Implemented user authentication, career interest selection, career stage identity survey, and user dashboard

- **SF Ready Meals**: React-based full-stack application that offers detailed information and locations of organizations providing free hot meals to eligible citizens through the SFHSA Congregate Meals Program
  - Succesfully presented to San Francisco Human Service Agency and currently adopting into their operations

- **CovidPass**: iOS application that monitors COVID-19 exposure by recording users' visits through QR codes and tracking their health status
  - Received second place at the CodePath iOS Development Demo Day for demonstrating innovative use of technology in addressing relavent challenges

TECHNICAL

- **Programming Languages**: Javascript, TypeScript, Python, Swift, Java, C++
- **Front-end**: React, Angular, Next.js, Gatsby, Tailwind, Boostrap, HTML, CSS, NgRx Redux
- **Back-end**: Node.js, Express.js, Flask, MySQL, Firebase, MongoDB
- **Tools & Utilities**: Git, GitHub, Vercel, Heroku, Netlify, Docker, Firebase, Jenkins, Figma