Jackson Vinh Tran

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EDUCATION

Georgia Institute of Technology **Expected: Fall 2027**
Master of Science, Computer Science *Atlanta, GA*
- 4.0/4.0 GPA, Specialization in Artificial Intelligence
- Courses: Artificial Intelligence, Human Computer Interaction, Database System Concepts & Design, Machine Learning For Trading, Software Development Process, Natural Language

University of California, Santa Cruz **Graduation Date: June 2023**
Bachelor of Arts, Computer Science *Santa Cruz, CA*
- 3.9/4.0 GPA

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, HTML/CSS, Swift, SQL, C, C++
Skills: Full-Stack, Front-End, CI/CD, REST, GraphQL, Object-Oriented Programming, Database Management, LLMs, Agile/Scrum
Tools: React/Next.js, Node.js/Express, PostgreSQL, MongoDB, Docker, Jenkins, AWS, Git/GitHub, OpenAI, Copilot

EXPERIENCE

SF Civic Tech **June 2022 – Present**
Open-Source Full Stack Developer *San Francisco, CA*
Volunteer civic-tech organization building production applications for San Francisco agencies and nonprofits. Contributed across multiple shipped projects:
- **SF Ready Meals (SFHSA Congregate Meals)** *(React, Express, Sequelize, PostgreSQL)* — Built a full-stack platform for the SF Human Services Agency's meal program; implemented authentication, internationalization, and filterable map/list views informed by user testing. **Adopted and deployed on the official SFHSA website**, serving community meal resources citywide.
- **SF Lifeline** *(React, Node.js, Fastify, Vite, Mantine)* — Developed an emergency-response platform connecting patients and first responders; built role-based approval workflows and integrated external medical APIs with PostgreSQL ingestion pipelines.
- **Support SFUSD** *(Next.js, React, TypeScript, Prisma, Tailwind CSS)* — Built a web platform hosting SFUSD school resources and supporter contributions; developed responsive UI components and optimized Prisma schemas, improving performance and scalability.

Tech4Good Lab, UCSC **March 2022 – August 2023**
Lead Software Developer *Santa Cruz, CA*
- Led architecture and delivery of internal and client-facing applications for nonprofit organizations
- Managed and mentored a team of 10+ developers across Agile sprints, coordinating timelines and feature delivery
- Built reactive, data-driven interfaces using Angular, NgRx, and RxJS to asynchronously manage Cloud Firestore data
- Established lab-wide accessibility standards and technical documentation, improving consistency across deployed applications

ChargePoint **February 2023 – June 2023**
Software Engineer Intern *Campbell, CA*
- Increased testing productivity by 70% by building automated testing infrastructure for EV charging products
- Developed automated regression pipelines using Python and Jenkins, reducing software regressions before release
- Enhanced internal frameworks to generate JUnit-XML reports, improving visibility into system health and failures
- Integrated automated testing workflows into CI/CD pipelines, improving release reliability across engineering teams

PROJECTS

MapRoulette *(React, JavaScript, CSS, Node.js)*
- Contributed to an open-source platform providing microtasks for users to improve the OpenStreetMap database
- Built an internal analytics dashboard analyzing 10,000+ user data points to monitor engagement and performance
- Integrated GitHub APIs to automate issue reporting and streamline user-developer communication

RSVP-ful *(Next.js, TypeScript, Prisma, PostgreSQL, NextAuth, Tailwind CSS)* | rsvp-ful.vercel.app
- Built and deployed a full-stack event management app with event discovery, one-click RSVP, and instant email confirmations via Resend
- Implemented an automatic waitlist that queues guests when an event is full and promotes the next person when a spot opens
- Designed a REST API with full CRUD, role-based organizer permissions, and private events accessible via secret share links
- Added email/password authentication with JWT sessions using NextAuth.js