

Alvin Tran

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EDUCATION

San Jose State University
BS Computer Science | GPA: 4.0

San Jose, CA
Expected Graduation Fall 2027

Lowell High School
GPA: 4.35

San Francisco, CA
Aug 2020 – Jun 2024

EXPERIENCE

SJSU Software and Computer Engineering Society
Software Engineer Intern

Jun 2025 – Present
San Francisco, CA

- Optimized React.js web application performance by removing outdated dependencies (framer-motion, lodash, axios), implementing modern JavaScript APIs, and compressing assets, achieving a 20% reduction in bundle size
- Migrated legacy promise-based API calls to modern async/await patterns using native fetch API, improving code maintainability and eliminating unnecessary third-party dependencies
- Collaborated with development team to resolve merge conflicts and implement file compression features using pdf-lib and pako libraries for enhanced data transfer efficiency

PROJECTS

Rapid Relief AI | *FastAPI, Next.js, WebSockets, VAPI*

Humane Tech 2025 Grand Prize Winner

- Architected and deployed a full-stack real-time call transcription platform using FastAPI backend and Next.js frontend
- Engineered interactive dashboard with live transcript visualization and analytics through WebSocket integration, enabling real-time data processing and user engagement
- Implemented VAPI webhook integration for seamless audio stream ingestion, optimizing call processing workflow and reducing latency for immediate transcript delivery

Budgie | *React, Supabase, Google Cloud Vision API, Vercel, Anthropic API*

Berkeley AI Hackathon 2025

- Built an intelligent budgeting application with automated expense tracking, leveraging Google Cloud Vision API for OCR-based receipt processing and Anthropic API for natural language understanding to eliminate manual data entry
- Engineered interactive React dashboards providing real-time budget visualization and category-based spending analytics, delivering intuitive financial insights to users
- Implemented secure user authentication and scalable cloud storage using Supabase, ensuring persistent data management and seamless cross-device synchronization

Stock Data Fetcher | *React, JavaScript, Finnhub API*

- Built a stock tracker web app that fetches real-time data using the Finnhub API based on user input
- Implemented auto-refresh with customizable time intervals and pause/continue controls using React Hooks
- Validated inputs and displayed data in a dynamic table, changing with each fetch

ACTIVITIES

Lowell Vietnamese Student Association
Secretary

2021 – 2024
San Francisco, CA

- Facilitated in-person meeting activities for 20+ students per meeting
- Managed emailing list, writing 20 emails a school year, and managing Google forms

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS

Frameworks & APIs: React, Next.js, Node.js, FastAPI, ElevenLabs, VAPI, Anthropic

Databases & Auth: Supabase, MongoDB, Auth0