

Timothy Ou

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Education

California State University, Fullerton – B.S. in Computer Science (GPA: 3.88) Aug 2024 – May 2028

Experience

ChatGPT Lab Member, OpenAI – Fullerton, CA Mar 2026 – Present

- Selected for a 50-student cohort to research AI use cases and source student workflow data via peer workshops
- Analyze research and UX feedback for OpenAI to influence student-focused feature development

Embedded Tutor, CSUF – Fullerton, CA Jan 2026 – Present

- Provide technical mentorship to 30+ students via 1-on-1 code reviews to improve C++ proficiency and grades
- Partner with faculty to guide Introductory Programming labs and lead individual student tutoring sessions

Figma Campus Leader, Figma – Fullerton, CA Aug 2025 – Present

- Synthesize feedback from 5,000+ students into actionable insights for the global product roadmap
- Scaled the on-campus design community to 120+ participants by leading workshops and brand adoption events

Volunteer IT/Web Administrator, Caltech – Pasadena, CA Jun 2025 – Aug 2025

- Migrated the Mineral Spectroscopy web server from Apache 2.2/Win 7 to 2.4/Win 11, refactoring legacy configuration files and conducting system validation to secure access for 10,000+ global users
- Recovered 80GB+ of critical research data and software from failing hardware via disk imaging and manual file-system reconstruction, ensuring 100% data integrity for the division

Leadership and Extracurricular

Open Source/Marketing, Association for Computing Machinery – Fullerton, CA Jan 2025 – Present

- Led weekly technical workshops and managed 3+ open-source projects for 80+ student contributors via GitHub
- Leveraged Figma for campaigns reaching 7,000+ users, driving a 35% engagement boost and 300+ attendees

Marketing Team Lead, FullyHacks/FullyBeyond – Fullerton, CA Sep 2024 – Present

- Managed logistics and venue operations for 300+ attendees while overseeing an \$8,500 event budget
- Directed outreach to 500+ tech companies, increasing sponsorship funding by 180% for the 2026 season

Projects

Version Control for AI | *React, TypeScript, FastAPI, MongoDB, D3.js, Ollama, Tailwind CSS, ASUS Ascent GX10*

- Built a version-controlled AI platform to branch, merge, and rollback chat states using Directed Acyclic Graphs
- Orchestrated 4 local LLMs on Blackwell GPUs using Fetch.ai agents with real-time hardware telemetry

AI Recipe Assistant | *React, Tailwind CSS, Supabase, Clerk, Letta, Gemini API*

- Developed an AI assistant to automate meal planning through real-time inventory tracking and user profiles
- Integrated Letta and Gemini 2.5 Flash for persistent pantry memory and structured JSON recipe generation

Data-Driven Safety Navigator | *React Native, FastAPI, Supabase, GraphHopper*

- Built a mobile navigation interface using react-native-maps to visualize safety-scored routing and live GPS data
- Integrated FastAPI endpoints to synchronize user data and facilitate group matching for the Buddy System

GitHub Stats CLI Tool | *Python, GitHub API*

- Implemented a Python CLI to audit PRs, commits, and velocity metrics for the acmcsufoss organization
- Cut API latency 50% using in-memory JSON caching and refactoring to eliminate redundant network calls

Technical Skills

Languages: C++, TypeScript, JavaScript, Python, SQL, HTML/CSS, x86 Assembly, R

Developer Tools: React, FastAPI, MongoDB, Supabase, AWS S3, D3.js, Claude Code, Ollama, Git, Figma, Tailwind