Gabriel Fernandez

Pacifica, CA • fernandezgabriel0@gmail.com • (650) 425-0600 • LinkedIn • GitHub

SUMMARY

Computer Science graduate experienced in full-stack development and applied AI/ML. Skilled in Python, TypeScript, Swift, SQL, and modern frameworks, with a focus on building production-ready, user-centric systems and data pipelines.

EXPERIENCE

Software Engineer (AI Art Platform) - Irene Carvajal's LLC / Google Huddle Space
June 2025 - Present, Mountain View, California

- Designed and developed a full-stack web application integrating Google Gemini/Vertex AI into an interactive art exhibition hosted at Google.
- Built end-to-end system: Express + TypeScript backend with PostgreSQL, Tailwind-based frontend, AI image generation workflows, and role-based admin dashboard.
- Used in live workshops at Google, blending generative AI with traditional printmaking.
- Collaborated with artist and Google staff to ensure production-ready deployment for public participants.

Sound/Lighting Technician - Mainstar Productions
2020-2024

- Installed and managed sound, lighting, and staging for concerts and events; collaborated with clients and crews.

PROJECTS

CS2 Match Pricing & Forecasting Platform

- Built end-to-end data pipelines for professional CS2 matches: ingestion, feature engineering, and calibrated predictive modeling.
- Applied market-aware probability blending, map veto simulation, and tempered Kelly allocation for interpretable forecasts and risk-aware sizing.
- Exposed results via dashboards, CLI, and REST; stack included Python, React, Node.js, MySQL/Prisma, Playwright, Docker, AWS.

Unethical Memes - Real-time Multiplayer Web Game

- Socket.io + TypeScript game with live meme creation, voting, and scoring.
- Built for low latency with Tailwind UI and server-rendered EJS templates.

Never Think - iOS Daily Planner (SwiftUI)

- Created multi-objective itinerary generation with OpenAI + Google Maps APIs.
- Implemented constraint handling, time windows, and real-time traffic in a SwiftUI app with MVVM architecture.

SKILLS

Python, TypeScript, JavaScript, Swift, SQL, Node.js, React, Express, Tailwind, Prisma, Fluent in Spanish
PostgreSQL/MySQL, Playwright, Docker, AWS EC2, CI/CD, Linux
Prompt Engineering, ML pipelines, Feature Engineering, Calibration

EDUCATION

B.S. Computer Science
San Francisco State University - 2019-2025