

Gabriel Sanchez

SOFTWARE ENGINEER

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Summary

MS Computer Science student at Georgia Tech (AI specialization) with experience building and deploying full stack web applications and symbolic AI systems. Looking for software engineering, data engineering, and applied AI/ML roles where I can ship real products.

Education

Georgia Institute of Technology

MASTER OF SCIENCE IN COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Coursework: Knowledge Based AI, Artificial Intelligence, Computability and Algorithms, Computer Vision

Atlanta, GA

Exp. Dec 2026

California State University - Monterey Bay

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, SOFTWARE ENGINEERING

Coursework: Software Engineering, Operating Systems, Data Structures and Algorithms, Software Design

Seaside, CA

May 2020

Technical Projects

The Chop Shop — Walk-in Queue System

FULL STACK DEVELOPER

- Built and deployed a real-time walk-in queue system for a local barbershop using Next.js 16, TypeScript, React 19, and Supabase, with a kiosk check-in, live queue display, staff dashboard, and remote SMS join
- Integrated Twilio SMS API with phone verification for remote queue entry, implemented HTTP-only cookie-based PIN authentication for staff access, and automated queue cleanup via Vercel cron jobs
- Shipped to production on Vercel with CI/CD, structured data (JSON-LD schema), SEO infrastructure (dynamic sitemap, robots.txt), and Google Search Console integration for local search visibility

Watsonville, CA

Jan 2026 - Feb 2026

FTY LAB Website

CO-FOUNDER & DEVELOPER

- Built the business website for a soccer training startup using Next.js, handling program listings, pricing, and a contact/booking flow
- Designed a responsive, mobile first UI with image optimization and integrated a Substack newsletter for client engagement
- Co-founded the business from the ground up, handled both the technical buildout and day to day operations

Watsonville, CA

Dec 2026 - Jan 2026

Inductive Program Synthesis for ARC-AGI Benchmark

GRADUATE RESEARCHER (KBAI COURSE)

- Built a Symbolic AI agent to solve ARC-AGI, an abstract reasoning benchmark
- Hit 95.83% accuracy (92/96 problems) by creating 50 pattern detectors that infer rules from a few examples and apply them to new inputs
- Found that multi-step problems broke the pipeline, started exploring hybrid approaches that combine neural search with symbolic rules

Remote

Oct 2025 - Nov 2025

Mobile Job Offer Evaluation System

FULL STACK ENGINEER

- Built a mobile app (Python, SQLite) with a custom scoring engine that helps users compare and rank job offers side by side
- Designed black-box and white-box tests to catch edge cases and enforce strict data validation across the input pipeline
- Implemented a weighted ranking algorithm that lets users prioritize factors like salary, location, and benefits

Remote

Jul 2025 - Aug 2025

Work Experience

America SCORES

PROGRAM COORDINATOR

- Facilitated daily SCORES programming, leading physical activities and skill building exercises, while promoting health and wellness among students.
- Supported literacy development by leading poetry and creative activities, encouraging student participation in a poetry slam.
- Organized and managed special events and community activities to enhance student engagement and program visibility.

Watsonville, CA

Oct 2023 - Present

Technical Skills

Languages	Python, C/C++, Java, SQL, TypeScript, JavaScript
ML & Data	NumPy, Pandas, Scikit-Learn, PyTorch (familiar), SQLite
Frameworks	Next.js, React, Tailwind CSS, Node.js
Methodologies	Object Oriented Programming, MVC, Test Driven Development, CI/CD
Tools	Git, Linux/Bash, Vercel, Supabase, Twilio, REST APIs, LaTeX