

Peter Moschitto

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Education

California Polytechnic State University, San Luis Obispo

Expected May 2028

B.S. Computer Science

Profile

Computer Science student focused on full-stack software engineering and applied AI systems. Experienced independently delivering production software from ambiguous requirements, including data pipelines, database architecture, internal analytics tools, and user-facing web applications.

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C, Assembly, SQL

Frontend: React, Next.js, HTML, CSS, Plotly

Backend & Data: Flask, Node.js, Express, MySQL, PostgreSQL, SQLite, SQLAlchemy, Supabase, pandas

Infrastructure & Tools: Docker, Git, GitHub, Vercel, Railway, Vite, Unicorn

AI: OpenAI, Anthropic Claude, Google Gemini

Experience

Renesas Electronics – Software Engineering Intern, GaN Division

Summer 2026

- Built a production ETL pipeline and Flask dashboard for semiconductor wafer analysis, enabling self-service exploration of **17M+ measurements per production lot**. [Python, Flask, MySQL, Plotly]
- Optimized ETL performance with bulk SQL inserts and idempotent loading, processing a full production lot in **~10 minutes**. [Python, SQLAlchemy, MySQL, SQLite]
- Independently designed and delivered the platform end-to-end as the sole engineer on the project, from database architecture through Docker deployment and a company-wide technical presentation.

GreekPay – Co-Creator & Frontend Developer

2025 – Present

- Built and deployed a React + TypeScript frontend for a financial management platform supporting fraternity dues, budgeting, and expense analytics. [React, TypeScript, Vite]
- Designed reusable, responsive UI components and collaborated on Supabase-backed database and Edge Function integrations.
- Iterated on product features in a two-person team, translating ambiguous requirements into production functionality deployed on Vercel.

AI Resume Analyzer – Full-Stack Developer

2025 – 2026

- Built and deployed a full-stack application comparing resume feedback across OpenAI, Anthropic, and Gemini models. [React, TypeScript, Node/Express]
- Designed experience-aware evaluation logic that scores resumes relative to candidates at comparable career stages for more structured feedback.
- Shipped an in-browser resume editor, prioritized action checklist, and PDF export with frontend on Vercel and backend on Railway.

Projects

Personal Portfolio – Developer Portfolio

2024 – Present

- Built and deployed a responsive Next.js portfolio showcasing engineering projects, technical experience, and project case studies. [Next.js, React, JavaScript, CSS]

Leadership & Additional Experience

Computer Science Camp – Lead Camp Counselor

2022 – 2023

Designed introductory CS curriculum and led daily coding instruction for middle-school students.

Cal Poly Week of Welcome – WOW Leader

Completed leadership and inclusivity training and guided a group of 25 incoming Cal Poly students through orientation.

Boy Scouts of America – Eagle Scout / Philmont Crew Leader

Led youth and adult team members on a 100-mile Philmont trek and supported weekly troop leadership.