

Ian Ellis

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SUMMARY

Dynamic software engineer with over three years of experience delivering high-quality solutions. Proven ability to lead cross-functional teams and mentor junior developers, contributing to project success from start to finish.

SKILLS

Languages: HTML/CSS, JavaScript, TypeScript, Python, PHP, C++, SQL, Swift

Tools: React, Express, FastAPI, Node, Git, AI/ML, REST API, Figma, Postman

Personal: Leadership, Communication, Teamwork, Problem Solving, Adaptability, Resilience

EXPERIENCE

Senior Software Engineer, Associate Digital NEST Aug 2025 – Present

- Led and mentored cross-functional teams of software engineering associates, managing day-to-day execution through stand-ups, task delegation, and issue resolution to keep multiple projects on track.
- Owned project delivery across the full development lifecycle, balancing technical implementation with client communication, scope management, and iterative feedback to deliver polished, production-ready outcomes.
- Developed internal AI tools and training resources, including a custom GPT and all-staff AI training module, improving internal workflows and supporting organizational adoption of emerging technologies.

Software Engineer, Associate Digital NEST Aug 2024 – Jul 2025

- Built and deployed full-stack web applications from concept through production, partnering with clients and external stakeholders to translate requirements into scalable, user-focused solutions.
- Led a year-long research initiative focused on optimizing learning outcomes for the organization's youth members.

Computer Science Teaching Assistant Cabrillo College Jan 2024 – Current

- Designed and facilitated structured learning workflows for students, providing hands-on technical guidance during lab sessions.
- Developed and maintained internal hardware–software projects using Arduino and Raspberry Pi.
- Mentored aspiring engineers and computer scientists in problem-solving and application of algorithms in Python and C++.

PROJECTS

AI Powered Photo booth / *React, Python - FastAPI, Gemini API*, Dec 2025

- Built an AI-powered photo booth that transforms user photos into cartoonized characters across themed adventures, generating shareable collages using Gemini's Nano Banana Pro image generation model.

AI Workshop for Community Foundation Monterey County Oct 2025

- Led the end-to-end design and delivery of an interactive AI workshop for a county-level community foundation, serving as a primary speaker and managing client communications while developing the curriculum, slide deck, and companion website, earning 95% positive participant feedback for enabling nonprofit communications teams to streamline grant writing, campaign strategy, and social media content creation.

BizzNest Flow / *React, Express, Node, MySQL* Dec 2024

- Led the design and development of a research project in BizzNest Flow, an mathematically-powered internal workflow platform that analyzes intern skills, project requirements, and team dynamics to optimize task assignment, productivity, and engagement across a multi-team creative agency.

EDUCATION

Cabrillo College AS Computer Science / Mathematics Jun 2026