

Ian Ellis

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SUMMARY

Dynamic software engineer with over three years of engineering 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 & Technologies: React, Express, FastAPI, Node, Git, REST API, Figma, Postman, AI/ML Integrations

Communication & Facilitation: Public speaking, technical and non-technical training, cross-functional collaboration, stakeholder engagement, adaptability, team leadership

EXPERIENCE

Senior Software Engineering Associate

Aug 2025 – Present

Digital NEST

- Led and mentored cross-functional teams of software engineering associates, managing daily execution through stand-ups, task delegation, issue resolution, and progress tracking across multiple active projects.
- Owned project delivery across the full software development life cycle, coordinating teams of up to 12 contributors while balancing technical implementation, client communication, scope management, and iterative feedback.
- Developed internal and external AI tools, training resources, and workflow improvements that supported organizational adoption of emerging technologies, then analyzed usage and survey data to evaluate effectiveness and identify opportunities for improvement.

Software Engineering Associate

Aug 2024 – Jul 2025

Digital NEST

- Built and deployed WordPress and full-stack applications using React, Node.js, Express, and MySQL across 4+ client and internal projects, from requirements gathering through production delivery.
- Developed database-backed features, REST API routes, and reusable UI components supporting workflows for staff, associates, clients, and community partners.
- Led a year-long research and software initiative to identify opportunities for improving youth learning outcomes, using data analysis to guide product design and iteration.

PROJECTS

AI Workshop for Community Foundation of Santa Cruz

April 2026

- Led the end-to-end design and delivery of an interactive AI workshop for a county-level community foundation, contributing to a 59.4% increase in participant confidence in AI literacy skills among nonprofit leaders.
- Served as a primary speaker and project manager, managing client communications, developing the curriculum and slide deck, and delegating responsibilities across a 12-person team.
- Spearheaded the development of interactive software games and workshop activities that helped increase participant confidence in evaluating AI-related security risks from 20% to 80%.
- Designed workshop content to help nonprofit communications professionals apply AI to grant writing, campaign planning, outreach, and social media workflows.

AI Learning Hub - *Next.js, TypeScript, OpenAI API*

Dec 2025

- Built an AI learning platform that helps users quickly access practical AI education, prompt templates, resources, and guided learning materials.
- Supported hundreds of monthly users by reducing friction for learning stronger AI techniques and applying them to real-world workflows.
- Developed a prompt engineering studio that guides users through designing stronger prompts to improve the quality and usefulness of AI-generated outputs.

EDUCATION

AS Computer Science / Mathematics

June 2026

Cabrillo College