Aucoeur Ngo · Frontend Software Engineer

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Relevant Experience

Founding Frontend Engineer (0-1 Product)   March 2025 - Sept 2025
terraine.ai   *San Jose, CA (Remote)*

- Built frontend for AI-augmented chip design platform (**React 18, TypeScript, Zustand, WebSockets**).
- Implemented OAuth, session management, and flexible UI layout with collapsible sidebars, resizable panels, and modal components built with **Radix UI & Tailwind** (chat interface, command diff panel, Markdown previewer, usage tracker).
- Created **prompting standards** and **structured docs (PRDs, API specs)** to maintain code quality and clarity during rapid AI-assisted development and improving frontend ↔ backend hand-offs.
- Implemented **agent-to-agent communication protocols** and orchestration patterns for **reliable multi-agent workflows**.

Full Stack Software Engineer   May 2022 - May 2024
We Sparkle Co.   *Minneapolis, MN (Remote)*

- Developed **React** + **Gatsby** components for small-business SaaS platform.
- Integrated **third-party APIs** (Coinbase, Zoho, Nylas, GA4) for payments, scheduling, CRM & analytics.
- Implemented **accessibility standards** (WCAG compliance, semantic HTML, keyboard navigation)
- Created **RAG chatbot** prototype for client demos & technical roadmap for migration & integration.
- Containerized dev environment with **Docker** and **seeded local database** to address Mac/Windows Azure connectivity issues and prevent API rate limiting from runaway calls.

Full Stack Engineer   May 2022 - May 2024
PlexusParc   *Pittsburgh, PA (Remote)*

- Refactored frontend architecture into **reusable Jinja component templates**, reducing bundle size by 35%.
- Redesigned user flows and UI components, reducing task completion time by an average of 8 seconds.

Techlab Manager & IT Associate   Oct 2015 - Aug 2019
California Institute of Technology (Caltech) Library   *Pasadena, CA*

- Scaled makerspace to 600+ users producing 425+ monthly prototypes.
- Advised student and faculty researchers on 3D design, modeling and fabrication.
- Managed student teams; delivered training, documentation, and campus-wide IT support.

Education

Google Data Analytics Professional Certificate [ID: 2I54HMPFFY0S]   Sept 2024

BS in Applied Computer Science, Concentrations in Backend Web & Frontend Web   Aug 2021
Dominican University of California   *San Rafael, CA*

    Capstone Project · **Thesis Workflow Automation** · Caltech Library   Winter 2020

- Led a 5-engineer automating thesis embargo approval workflows.
- Built a data processing pipeline + web interface, reducing manual processing by 75%