

Helena Le

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EDUCATION

Independent Study: Software Engineering

2020 – Present

- *Specialization in Frontend Architecture, API Integration, and Production-Ready Code Standards.*
- **Relevant Coursework:** *Data Structures, WebGL (Three.js), RESTful API Design, Web Accessibility (WCAG), Version Control (Git), Modular CSS Architecture, and OAuth Flows.*

EXPERIENCE

Frontend Developer

Freelance

2022 – Present

- Built responsive, mobile-first websites for local small businesses using a spec-work cold outreach model — designing and deploying demo sites to convert leads into paying clients.
- Developed full-stack lead generation app (PROSPECT) using Groq AI, Google Places API, and Gmail OAuth to automate personalized cold email outreach.
- Converted Figma designs into pixel-perfect, production-ready code with cross-browser support.
- Managed end-to-end development from initial scoping to final deployment on GitHub Pages.
- Built modular CSS systems (Tailwind/SASS) to ensure design consistency across projects.

Foundational Developer

Independent R&D

2020 – 2022

- Started learning web development at 14, building small projects to master HTML, CSS, and JavaScript fundamentals.
- Applied UI/UX principles to bridge technical functionality with clean, modern design.
- Practiced consistent debugging and version control workflows using Git and GitHub.

PROJECTS

PROSPECT — *Node.js, Groq AI (llama-3.1-8b), Google Places API, Gmail OAuth*

- **Built a full lead generation app** that finds local businesses without websites, generates personalized cold emails using AI, and sends them via Gmail OAuth — all from a custom pixel-OS style UI.
- **Architected serverless backend** with serverless functions handling search, auth, email generation, and direct send routes.

Sentinel — *React, TypeScript, Tailwind CSS*

- **Built a 13-page data security SaaS marketing site** with typewriter animations and a polished, production-ready UI.
- Implemented component-based architecture with **TypeScript for full type safety** across the entire site.

Amy's Banh Mi — *HTML, CSS, JavaScript*

- **Developed a spec site** for a local Vietnamese sandwich shop featuring a video hero, frosted glass UI elements, and Instrument Serif typography — pitched as a freelance client acquisition piece.
- **Deployed to GitHub Pages** from a pnpm monorepo; confirmed as portfolio-ready client work.

Forge — *HTML, CSS, JavaScript*

- **Built a data pipeline SaaS landing page** with a clean dashboard aesthetic and clear feature storytelling.

Ashford Case — *HTML, CSS, JavaScript*

- **Designed and built a minimalist detective mystery game** with custom state management and branching narrative logic.

Portfolio Website — *HTML, CSS, JavaScript, GSAP*

- **Designed and built a personal portfolio** featuring a video background, glassmorphism UI, and **GSAP scroll animations** including a rotating ASCII cube, floating cat widget, and photo carousel.
- Deployed at **helenaledev.com** — built entirely from scratch with no frameworks.

SKILLS

Core Technologies: HTML5, CSS3 (Flexbox/Grid), JavaScript (ES6+), TypeScript, SASS/SCSS

Libraries & Frameworks: React, Vite, Tailwind CSS, Webflow, Three.js (WebGL), Node.js

AI Tools: Claude, Groq AI (llama-3.1-8b-instant), Lovable

Tools & Systems: Git/GitHub, Figma, Postman, VS Code, Chrome DevTools

Practices: REST API Integration, OAuth Flows, Responsive Design, Web Accessibility (A11y), Mobile-First Development