

HONG NGUYEN

Junior Full-Stack Developer | Python · Django · React · AI/LLM Integration
San Jose, CA | (408) 495-1048 | hongnguyentt99@gmail.com
hnminilab.com | github.com/HongNguyen688 | linkedin.com/in/hong-nguyen

SUMMARY

Full-stack developer with a B.S. in Computer Science and 3+ years designing, building, and shipping production web and mobile applications end to end — including an iOS app with 18,900+ downloads, a client website delivered from architecture through launch, and two live LLM-powered Django applications. Strengths in Python/Django REST API development, React and JavaScript front ends, relational data modeling, and automated CI/CD deployment. Seeking a junior full-stack engineering role; available immediately.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), SQL, Swift, HTML5, CSS3

Backend: Django, Django REST Framework, REST API design, authentication & authorization, relational data modeling, PostgreSQL

Frontend: React, responsive UI development, Bootstrap, cross-browser compatibility, semantic HTML

AI & LLM Engineering: OpenAI API, Google Gemini API, prompt engineering, prompt chaining, agentic workflows, AI coding assistants (Claude Code)

Tools & Deployment: Git, GitHub, CI/CD, Netlify, Render, Neon (PostgreSQL), PythonAnywhere, GitHub Pages, debugging, code review

SOFTWARE EXPERIENCE

Full-Stack Developer — Freelance & Independent Projects

2022 – Present

San Jose, CA

- Designed, built, and launched PassUSCivics (passuscivics.com), an iOS and web study platform for U.S. citizenship applicants that has reached 18,900+ downloads; built the JavaScript web app around a quiz engine covering the official 100- and 128-question civics banks plus N-400 reading and writing practice.
- Configured Netlify CI/CD for automated, zero-downtime production releases from a single git push, replacing manual deploys.
- Delivered ephatachoir.org for a community-organization client, owning requirements, architecture, implementation, and launch — a multi-page responsive site with structured media asset routing, semantic HTML, and verified cross-browser consistency.
- Built AI Study Buddy (Django + OpenAI API), a study tool that parses uploaded PDFs into interactive flashcards and adaptive quizzes; designed the ingestion pipeline and iterated the prompt chains that drive output quality.
- Built a Gemini-powered conversational web app (hnminilab.com) with a stateful front end communicating to a Django REST backend, including session state handling and tailored system prompts.
- Used AI coding assistants (Claude Code) across the development lifecycle to scaffold, debug, and refactor, reviewing and testing every change before release.

EARLIER EXPERIENCE — HARDWARE TEST & VALIDATION

Engineering Lab Technician — Western Digital

2017 – 2019, 2021 – 2022

San Jose, CA

- Built and validated experimental HDD prototypes against strict engineering specifications and documented outcomes in formal engineering build reports.
- Partnered with engineering teams on troubleshooting, root-cause debugging, and quality validation workflows; managed critical component inventory for active builds.

Production Technician — Future Motion, Inc.

2020 – 2021

San Jose, CA

- Operated manufacturing and test equipment — laser printing systems and mainboard, battery, and footpad sensor test rigs — inspecting assemblies against production specifications and escalating functional and process defects.
- Contributed to new assembly procedures, custom tooling, and test methods.

EDUCATION & CERTIFICATIONS

B.S., Computer Science — University of Natural Sciences, VNU-HCM

2011

- Meta Full-Stack Developer Professional Certificate — 2025
- CS50: Web Programming with Python and JavaScript — HarvardX, 2025
- CS50: Introduction to Computer Science — HarvardX, 2024