HaiDang Nguyen

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EDUCATION

University of California Davis — BS in Computer Science — Dec 2026

TECHNICAL SKILLS

Programming Languages: Python, Rust, C++, Ruby, JavaScript, SQL
Relevant Course Work: Algorithms Design & Analysis(C++), Probability & Statistical Modeling(R), Number Theory, Programming & Problem Solving(C), Object Oriented Programming(C++), Data Structures & Algorithms(C++), Machine Dependent Programming(x86 Assembly), TCP/IP & Networking Concepts

EXPERIENCE

Backend Software Developer   Jul. 2025 – Present
Starting Strength Gyms   *Boise, ID*

- Implemented ETL pipelines in Python to unify and process data from GA4, CRM, and Facebook Ads into a centralized analytics layer, solving data discrepancies.
- Designed and implemented a Python-based monolithic system that provides multiple automated reporting services, reducing manual work by 6+ hours per week.
- Used NumPy with Python to analyze data weekly, identifying trends and opportunities for improving marketing efficiency and KPIs.
- Implemented version control with Git, CI/CD pipelines, and containerized deployment with Docker to ensure ease of maintenance.
- Communicated technical progress effectively to non-technical stakeholders, ensuring solutions aligned with business goals.

Full Stack Developer Intern   July 2022 – Sept. 2022
Wefunder   *San Francisco, CA*

- Enhanced performance of application features by improving Ruby on Rails backend code.
- Used ReactJS with Typescript to implement UI features in investment portfolios for 1M+ users.
- Utilized Redis to reduce latency of data delivery in response to high-frequency data fetches from internal admin tools.
- Built admin tools in React with TypeScript to facilitate internal book-keeping for incoming and outgoing funds to escrow accounts.
- Wrote optimized SQL queries to improve performance sorting algorithm performance on user investment profiles.
- Collaborated with a team of 2 senior developers, contributing to new product development efforts, incorporating feedback, and following guidance to meet project goals efficiently.

PROJECTS

Fast Order book | *Rust, Git*   2025

- Designed and implemented an Order book used for high performance trading strategies in Rust.
- Implemented add, cancel, and execute operations in O(1) time.
- Used on QuantConnect to power a 50% return BTC strategy.

AutoMail | *Python, FastAPI, React, MongoDB, Pinecone, Google Cloud, Git*   2025

- Designed a web app with ReactJS a front-end that allows a user to command an AI assistant to perform tasks like summarizing emails and scheduling calendar events.
- Used Python with FastAPI to implement a REST API for email summaries and drafting, reminders and rescheduling of calendar events functionalities.
- Used RAG technique with Google Cloud API and Pinecone database to provide an LLM with a capability to carry out user-defined instructions.

Doksum | *ExpressJS, Svelte, Firebase, OpenAI, Git*   2023

- Developed full stack web application that provides pdf summaries functionality.
- Worked around tokens limit in ChatGPT responses by fragmenting messages and keeping summaries as context to summarize lengthy PDF files.
- Used Firebase as a data storage solution for user uploaded files and their summaries.

HOBBIES & INTERESTS

mixed martial arts, fast cars, eating steaks, automated trading