

Hongsuh Ahn

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EDUCATION

University of Southern California

B.S Computer Science | GPA: 3.7/4.0

Los Angeles, CA

May 2026

The Odin Project

Self-paced coding bootcamp for full-stack JavaScript web development

Online

Spring 2024

EXPERIENCE

Full-Stack Software Developer

USC University Advancement - Business Intelligence Team

Spring 2025 – Present

Los Angeles, CA

- Engineering an intranet hub using **SharePoint** and **SPFx**, streamlining workflows and cross-departmental collaboration.
- Developing custom web parts with **React** and **TypeScript** to address specific business needs across advancement, development, and alumni engagement.
- Enhancing executive visibility with interactive **KPI dashboards**, improving **data-driven decision-making** across multiple verticals.

Co-Founder and Software Developer

LavaLab

Spring 2025 – Present

Los Angeles, CA

- Building at USC's highly competitive startup incubator (**5% acceptance rate**) to launch an innovative tech product.
- Leading **full-stack development** efforts alongside a PM and designer, with a mandate to ship an MVP and pitch to a panel of venture capitalists by semester's end.

Software Engineering Intern – Data Automation

Qraft Technologies

Summer 2023

Central, Hong Kong SAR

- Automated **ETL workflows** using **Python**, **Selenium**, **Jupyter**, and **VBA**, reducing manual data extraction by **80%** and accelerating delivery of dynamic asset allocation reports.
- Created **Power BI dashboards** for visualizing asset rebalancing strategies, enabling more effective communication with portfolio managers and stakeholders.

PROJECTS

TooLate.ai | *Next.js, FastAPI, FAISS, SentenceTransformers, GraphQL, TogetherAI*

Spring 2025

- Built an LLM-powered platform that analyzes and compares AI startup ideas against scraped multi-source data.
- Engineered multi-threaded scrapers and GraphQL pipelines with randomized batching and rate-limit handling.
- Used RAG with FAISS + SentenceTransformers for GPT-backed feedback on idea positioning and pivots.

InsidePDF | *Next.js, Tailwind, GSAP, PDF.js, Web Audio API, PlayAI TTS, Llama*

Spring 2025

- Built a real-time PDF-to-speech web app for accessible reading and AI-assisted document exploration.
- Enabled voice-guided chat using PlayAI TTS and integrated a Llama-based chatbot for page-level Q&A.
- Designed responsive UI with dark/light modes, animations, and performant multi-page navigation.

Flexor | *PostgreSQL, ExpressJS, ReactJS, NodeJS, WebSockets*

Fall 2024

- Developed a full-stack social platform with real-time posting, alert systems, and user authentication.
- Built scalable REST APIs and database logic for 100K+ users with WebSocket-based update syncing.
- Improved engagement through polished UI/UX and reactive client-side rendering using pagination.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, Java, Swift, SQL

Frameworks & Libraries: React/Next.js, Node.js, Express, Tailwind, WebSockets, FastAPI, Flask

Databases: PostgreSQL, MongoDB, SQLite

Developer Tools: Git, Docker, Selenium, Power BI, Postman, Figma

ML & AI: LLMs, SentenceTransformers, FAISS, Hugging Face Transformers, LangChain