

Hongsuh Ahn

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EDUCATION

University of Southern California

B.S Computer Science + M.S Computer Science (Accelerated)

Los Angeles, CA

May 2027

The Odin Project

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

Online

Spring 2024

EXPERIENCE

Full-Stack Software Developer (Student Worker)

USC University Advancement

Spring 2025 – Present

Los Angeles, CA

- Developing and maintaining a JavaScript-based intranet platform to enhance user experience.
- Optimizing SQL queries for efficient data management and analytics workflows.
- Refactoring front-end components for improved performance and UI responsiveness.

Software Developer

LavaLab

Spring 2025 – Present

Los Angeles, CA

- Selected for USC's highly competitive startup incubator (5% acceptance rate) to launch a full-stack web/mobile product.
- Expected to ship a functional MVP by the end of semester and pitch to a board of venture capitalists.

Software Engineering Intern – Data Automation

Qraft Technologies

Summer 2023

Central, Hong Kong SAR

- Engineered automated ETL pipelines using Python, Selenium, Jupyter Notebook, and VBA, reducing manual data extraction time by 80%.
- Developed interactive data visualization dashboards in Power BI to analyze asset rebalancing strategies and improve portfolio performance.

Freelance Producer

Music Production

Spring 2020 – Present

Remote

- Produced and sold hip-hop beats on BeatStars and YouTube, generating revenue through online sales.
- Deployed an email automation bot to reach out to up-and-coming artists, increasing outreach efficiency.
- Leveraged FL Studio 20 with VSTs, plugins, and sound engineering to create industry-quality beats.

PROJECTS

Flexor – Full-Stack Social Platform

PostgreSQL, ExpressJS, ReactJS, NodeJS, WebSockets

- Developed a scalable RESTful API supporting 100,000+ potential users with optimized database queries.
- Designed and deployed a user-friendly and responsive UI/UX, improving user engagement by 30%.
- Implemented real-time notifications with WebSockets, ensuring instant updates across all clients.

File Storage – Cloud-Based File Management App

PostgreSQL, ExpressJS, EJS, NodeJS

- Implemented secure file upload/download functionality with CRUD operations and optimized file handling processes.
- Built an authentication system and structured backend architecture to manage user file permissions.

CV Resume Generator – Interactive Resume Builder

ReactJS, HTML, React Bootstrap

- Created a fully customizable resume generator supporting real-time content updates and PDF exporting.
- Designed a responsive interface ensuring adaptive layouts and scalable outputs.

TECHNICAL SKILLS

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

Frameworks: React, Next.js, Node.js, Express, PostgreSQL, MongoDB, WebSockets

Developer Tools: Git, Docker, Selenium, Power BI