

Hyun Jae Moon

Sunnyvale, CA | calhyunjaemoon@gmail.com | +1 (949) 919-0085 | hyunjaemoon.com | GitHub | AOSP

CORE SKILLS

Programming Languages: Rust, Python, C++, TypeScript, JavaScript, HTML/CSS, Dart, SQL
Technologies: Flutter, React, GCP, Bazel, CMake, Docker, CI/CD, LangChain/LangGraph, Agentic AI, NL2SQL

WORK EXPERIENCE

Hippocratic AI <i>Senior Software Engineer</i>	Palo Alto, CA <i>Jan 2026 - Present</i>
Google <i>Senior Software Engineer</i>	Mountain View, CA <i>Oct 2024 - Sep 2025</i>
<ul style="list-style-type: none">Architected and deployed LLM-powered network engineering agents on GCP using LangChain and LangGraph, automating the analysis of 2,000+ monthly connectivity reportsReduced average debugging time by 7 days per issue through intelligent RAG and NL2SQL pipelines, significantly improving network reliability and engineering efficiency	
<i>Software Engineer III</i>	<i>Apr 2023 - Oct 2024</i>
<ul style="list-style-type: none">Orchestrated weekly releases of network simulation software to the Android Emulator, supporting over 800,000 Daily Active Users (DAUs)Engineered a robust CI/CD pipeline incorporating unit, integration, and end-to-end testing, reducing release friction and enhancing software stability	
<i>Software Engineer II</i>	<i>Aug 2022 - Apr 2023</i>
<ul style="list-style-type: none">Designed and implemented a high-performance Frontend API in Rust and a responsive Web UI in TypeScript for Android Emulator's network simulation toolsIntegrated complex build systems using Soong, Bazel, and CMake, ensuring seamless delivery to Android Studio Canary users	
Samsung Electronics <i>Software Engineer Intern</i>	South Korea <i>June 2021 - Aug 2021</i>
<ul style="list-style-type: none">Developed a defective refrigerator detection algorithm by applying advanced data clustering techniques and exploratory data analysis (EDA) to large-scale sensor data	
Republic of Korea Army <i>Sergeant, Signal Intelligence Unit</i>	South Korea <i>Oct 2018 - May 2020</i>
<ul style="list-style-type: none">Developed a mission-critical Signal Database Search Tool using C++ and Qt, enhancing data retrieval speed and accuracy for intelligence operations	
Naver <i>ML Research Intern</i>	South Korea <i>June 2018 - August 2018</i>
<ul style="list-style-type: none">Conducted research on state-of-the-art NLP models, including Multi-Cast Attention Networks and Transformers, to optimize chatbot performance and response accuracy	
UC Berkeley EECS <i>Undergraduate Student Instructor (uGSI), CS61A</i>	Berkeley, CA <i>Jan 2018 - May 2018</i>
<ul style="list-style-type: none">Instructed discussion sections and labs for CS61A, mentoring over 30 students weekly in Structure and Interpretation of Computer Programs	

PROJECTS

Python Testing Agent	pythontestingagent.com
<ul style="list-style-type: none">Developed a full-stack educational platform using the Gemini API to generate dynamic Python programming problems and autonomously grade submissions for correctness and efficiencyDeployed on Google Cloud Platform (Cloud Run) with a fully automated CI/CD pipeline using GitHub Actions	
Yushin-Melamine	yushin-melamine.com
<ul style="list-style-type: none">Built a production website for a manufacturing firm featuring an intelligent product search agent powered by LangGraph and GCP Agent EngineImplemented a scalable architecture using Python and Cloud Run, enabling intuitive natural language queries for product discovery	

EDUCATION

University of California, Berkeley <i>B.S. Electrical Engineering & Computer Science</i>	Berkeley, CA <i>May 2022</i>
--	---------------------------------