

# 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

*Senior Software Engineer*

Palo Alto, CA

Jan 2026 - Present

### Google

*Senior Software Engineer*

Mountain View, CA

Oct 2024 - Sep 2025

- Architected and deployed LLM-powered network engineering agents on GCP using LangChain and LangGraph, automating the analysis of 2,000+ monthly connectivity reports
- Reduced average debugging time by 7 days per issue through intelligent RAG and NL2SQL pipelines, significantly improving network reliability and engineering efficiency

### Software Engineer III

Apr 2023 - Oct 2024

- 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

### Software Engineer II

Aug 2022 - Apr 2023

- Designed and implemented a high-performance Frontend API in Rust and a responsive Web UI in TypeScript for Android Emulator's network simulation tools
- Integrated complex build systems using Soong, Bazel, and CMake, ensuring seamless delivery to Android Studio Canary users

### Samsung Electronics

*Software Engineer Intern*

South Korea

June 2021 - Aug 2021

- 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

*Sergeant, Signal Intelligence Unit*

South Korea

Oct 2018 - May 2020

- Developed a mission-critical Signal Database Search Tool using C++ and Qt, enhancing data retrieval speed and accuracy for intelligence operations

### Naver

*ML Research Intern*

South Korea

June 2018 - August 2018

- 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

*Undergraduate Student Instructor (uGSI), CS61A*

Berkeley, CA

Jan 2018 - May 2018

- 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

- Developed a full-stack educational platform using the Gemini API to generate dynamic Python programming problems and autonomously grade submissions for correctness and efficiency
- Deployed on Google Cloud Platform (Cloud Run) with a fully automated CI/CD pipeline using GitHub Actions

### Yushin-Melamine

yushin-melamine.com

- Built a production website for a manufacturing firm featuring an intelligent product search agent powered by LangGraph and GCP Agent Engine
- Implemented a scalable architecture using Python and Cloud Run, enabling intuitive natural language queries for product discovery

## EDUCATION

### University of California, Berkeley

*B.S. Electrical Engineering & Computer Science*

Berkeley, CA

May 2022