

NOAH (HYEONWOO) KIM

626-438-2487 | noah.hw.kim@gmail.com | noah-hw-kim.github.io | github.com/noah-hw-kim | linkedin.com/in/noah-hw-kim

EDUCATION

California State University, Fullerton, CA Master of Science, Computer Science	Aug 2024 - Dec 2026
Relevant Coursework: Design and Analysis of Algorithms, Software Engineering, Web Back-End Engineering	
Soongsil University, Seoul, South Korea Bachelor in Economics, Economics	Mar 2015 - Aug 2021

EXPERIENCE

California State University, Fullerton <i>Teaching Associate, Computer Science</i>	Jan 2026 - Present Fullerton, CA
• Selected as a Teaching Associate for File Structures and Database Systems, leading instruction, grading, exams, and office hours.	
California State University, Fullerton <i>Research Assistant, Computer Science</i>	July 2025 - Present Fullerton, CA
• Built a custom Gymnasium-compatible MuJoCo simulation environment for the Hello Robot Stretch 3, exposing robot and object state APIs for control and learning.	
• Implemented safety-constrained Cartesian end-effector control and environment logic (observations, rewards, resets) to support goal-conditioned reinforcement learning.	
Ingredients Online <i>Analytics Engineering Intern, Data Science</i>	Jan 2025 - May 2025 Orange, CA
• Engineered analytics-ready event tables in BigQuery by flattening 30K daily raw events with SQL.	
• Implemented custom GTM JavaScript to track banner clicks and full sign-up funnel (start, success, failure, failed step).	
• Designed a MongoDB schema (10+ entities) for a new community feature and authored pipeline SOPs.	
Samsung (via CEF) <i>Data Analyst, Risk Management</i>	Aug 2021 - Aug 2022 Ridgefield, NJ
• Automated 150+ daily refund reconciliations with a Python (pandas) script that generated SAP-ready files, improving efficiency by 83 percent.	
Additional Experience <i>Klook Korea, Data Analyst Intern (Digital Marketing)</i> <i>Korea Corporate Governance Service, Data Analyst Intern (ESG Rating)</i>	Feb 2021 - May 2021 June 2020 - Aug 2020

SELECTED PROJECTS

Smile Snap Python, FastAPI, JavaScript, MongoDB, Docker, Vercel, Google Cloud, Firebase Auth
• Built a full-stack AI diary app with a FastAPI backend, containerized with Docker and deployed on Google Cloud Run, integrating the Google Gemini API for content generation.
• Implemented secure JWT authentication with Firebase, Role-Based Access Control (user/admin), and built a real-time dashboard for instant data updates using WebSockets.
Better Buy Comparer Java, Spring Boot, JavaScript, MongoDB, Swagger, Git
• Developed a RESTful web app to compare and rank products by standardized unit cost, documenting API endpoints with Swagger. Engineered backend logic for unit conversions and used MongoDB to store user search history.

SKILLS

Programming Languages: Python, Java, JavaScript/TypeScript, C/C++, SQL

Frameworks & Libraries: FastAPI, Spring Boot, React, JUnit, pandas, NumPy, scikit-learn

Databases & Cloud/DevOps: PostgreSQL, MongoDB, Vercel, Docker, GCP, Linux, Git, GitHub Actions