




# Gwanho Kim

Daegu, South Korea

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## PERSONAL PROFILE

Backend Developer with a strong foundation in computer science and experience in developing web services and applications. Developed an admin dashboard with FastAPI to improve monitoring efficiency. Currently leading a project Paxi, a carpooling service for POSTECH students, as a backend developer using NestJS. Eager to leverage backend expertise to optimize and integrate applications into cloud environments.

## WORK EXPERIENCE

### OMNIA Lab

Research Intern

Jan 2025 - Present

Pohang, South Korea

- Conducting research on distributed systems, focusing on unified caching systems at the cluster level, which improved data retrieval efficiency

### PoApper

Student Developer

Dec 2023 - Present

Pohang, South Korea

- Developed POSTECH's facility reservation web service, enhancing user accessibility and streamlining booking processes
- Developed the mobile version of the reservation service, improving user convenience and expanding service reach
- Currently leading the Paxi project as a backend developer with NestJS, a carpooling service to address the costly taxi issue from Pohang Station to POSTECH, which will enhance transportation affordability and increased service adoption

### TimePercent

Backend Developer Intern

Jun 2023 - Aug 2023

Seoul, South Korea

- Developed an admin dashboard using FastAPI to help administrators efficiently track user activity, improving monitoring efficiency
- Built an end-to-end web application using FastAPI and Jinja2, enhancing user experience and streamlining backend processes

## EDUCATION

### Pohang University of Science and Technology (POSTECH)

B.S., Computer Science and Engineering

Feb 2019 - Feb 2026

Pohang, South Korea

- GPA: 4.0/4.3

### Pohang University of Science and Technology (POSTECH)

Minor, Industrial Management and Engineering

Feb 2019 - Feb 2026

Pohang, South Korea

- GPA: 3.75/4.3

### University of California, Berkeley

Letter and Science

Aug 2024 - Dec 2024

Berkeley, CA

- GPA: 3.85/4.3
- Coursework: Computer Security

## SKILLS

- **Version Control:** Git, GitHub
- **Backend Development:** NestJS, FastAPI
- **Problem Solving:** Baekjoon, Korean LeetCode, Platinum(top 3%)
- **Computer Science Fundamentals:** Computer Architecture, Operating Systems, Software Design Principles, Computer Security, Computer Networks, Database Systems, Algorithms, Data Structures, Artificial Intelligence

## CERTIFICATIONS

- **AWS Certified Cloud Practitioner:** Achieved Aug 2024

## AWARDS

- **3rd Place:** POSTECH Programming Contest | Apr 2024
- **2nd Place:** Blackout Hackathon, Gbike Category | Jan 2025

## LANGUAGES

- English (Professional working proficiency (TOEFL iBT 97 | Achieved Feb 2024))