

# Gwanho Kim

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## PERSONAL PROFILE

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

## WORK EXPERIENCE

**Shift Up** | *Server Engineer Intern* **Jun 2025 - Aug 2025**

- Working on the server team for Goddess of Victory: Nikke

**OMNIA Lab** | *Research Intern* **Jan 2025 - Jun 2025**

- 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**

- 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**

- 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)** **Feb 2019 - Feb 2026**  
*B.S., Computer Science and Engineering (GPA: 4.02/4.3)* *Pohang*

**Pohang University of Science and Technology (POSTECH)** **Feb 2019 - Feb 2026**  
*Minor, Industrial Management and Engineering (GPA: 3.75/4.3)* *Pohang*

**University of California, Berkeley** **Aug 2024 - Dec 2024**  
*Letter and Science (GPA: 3.85/4.3)* *Berkeley, CA*

- Coursework:** Computer Security

## SKILLS

- Version Control:** Git, GitHub
- Backend Development:** NestJS, FastAPI, .NET
- 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))

## Extracurricular

**The Republic of Korea's Army** **Jul 2021 - Jan 2023**

*Compulsory military training as per the regulations of the South Korean Government*

- Unit Supply Sergeant