

MINWOO LEE

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Full-stack and backend-focused developer with experience building web, mobile, AI-powered, and cloud-based applications across education, healthcare, cybersecurity, news recommendation, and property management domains using Python (Django, NumPy), Java (Android, Spring Boot, Firebase), React, AWS, and MySQL.

EXPERIENCE

Core Security

Seoul, South Korea

Specialized cybersecurity provider for industrial networks and critical infrastructure

Cybersecurity Intern

Apr 2024 – Jun 2024

- Developed and tested PLC security protocols against malicious network anomalies such as ARP and UDP storms to support Achilles Level 1 certification readiness for an industrial infrastructure client.

Yellosis

Seoul, South Korea

Health-tech startup developing AI-powered at-home diagnostic test kits for humans and pets

Machine Learning & Data Science Intern

Jun 2024 – Aug 2024

- Enhanced a KNN-based computer vision urinalysis prototype by expanding diagnostic categories from 5 to 10 and achieving approximately 90% diagnostic accuracy.
- Improved result consistency across varying image capture conditions by refining preprocessing logic for automatic image orientation correction.

Mothers Against Gun Violence Milwaukee

Milwaukee, WI

Non-profit dedicated to preventing gun violence through community action and education

Web Development & Analytics Intern (Nonprofit-IT Community Project, UWM)

Jan 2025 – May 2025

- Implemented website visitation and visitor activity logging to provide monthly reports to ensure readiness and compliance with federal funding regulations and obligations using Google Analytics 4.
- Provided training and developed a user manual to empower the client in using WordPress and Google Analytics to manage and track online and offline event participation to develop marketing strategies.

PROJECTS

UWM StudyRadar

Jan 2025 – May 2025

Capstone project: A full-stack web app for UWM students to create and find course-specific study groups

- Led a team of four engineers in developing a full-stack web application for students to create, find, and join study groups at UWM using Django, React, and AWS-RDS.
- Engineered backed features for user, group, and event management while building the platform's recommendation systems and supporting frontend-backend integration across the project.

Brife

Feb 2026 – Apr 2026

Team project: A personalized news Android app with social login and AI-assisted summaries

- Collaborated in a 9-member cross-functional team to develop a personalized news Android app with social login, AI-assisted summaries, and interest-based content recommendation features.
- Built JWT-based authentication, social login, and user account management systems while supporting API integration and shared AWS EC2/Docker testing environments across the project.

BangCheck

Apr 2026

Team project: A rental-room comparison web app with map-based property tracking and inspection checklists

- Engineered backend APIs for rental-room management, checklist workflows, map visualization, and location-based comparison features using Spring Boot, MySQL, and AWS EC2.

EDUCATION

University of Wisconsin Milwaukee

Bachelor of Science in Computer Science (Magna Cum Laude)

Milwaukee, WI

Sep 2019 – May 2025