Janghwan Kim

LinkedIn ♦ E-mail

EDUCATION

B.S. in Artificial Intelligence Software / B.A. in Chinese Language   Daejeon, Korea
Hanbat National University, Republic of Korea   *2019/03 - 2026/02*

EXPERIENCE

Ericsson   Seoul, Korea
R&D Engineer Intern (Advisor: Heeyeal Rhy)   *2025/06 – 2025/08*
Developing AI services through Agile process with cross-functional teams.

Efficient Artificial Intelligence Lab | **Hanbat National University**   Daejeon, Korea
Undergraduate Research Intern (Advisor: Yunho Jeon)   *2023/08 – Present*
Conducting research in vision and deep learning focused on efficient AI design.
Emphasizing real-world performance through practical, resource-aware solutions.

HONORS AND AWARDS

Grand Prize, 2025 KICS Winter Conference Idea Contest   *2025/02*
2nd Prize, Open Source Software Contest, Hanbat National University   *2024/11*

PUBLICATIONS

(† *denotes corresponding author*)

Domestic Conference (Undergraduate)

[D6] LLM-A* Path Planning on Public Transportation Graphs   *KCC 2025*
 Janghwan Kim, Eunho Shin, Seungjae Jeon, Yunho Jeon, Cheoneum Park†

[D5] Lightweight Vision Transformer with Token-wise Dense Connectivity   *IEIE 2025*
 Janghwan Kim, Yunho Jeon†

[D4] Real-Time Fall Detection Algorithm Based on Edge Devices   *IEIE 2025*
 Seoyeon Kim, **Janghwan Kim**, Yunho Jeon†

[D3] Real-Time Electric Vehicle Charging Station Parking Slot Recognition System Based on Edge Devices   *KICS 2025*
 Seoyeon Kim, **Janghwan Kim**, Eunho Shin, Yujin Lee, Kyungeun Jin, Yunho Jeon†

[D2] A Walking Assistance System for the Visually Impaired on Edge Device   *KICS 2025*
 Janghwan Kim, Yujin Lee, Yunho Jeon†

[D1] Deep Voice Detection using Audio Embeddings from CLAP Model   *IEIE 2024*
 Janghwan Kim, Eunho Shin, Yujin Lee, Yunho Jeon†

INDUSTRY PROJECTS

Hanwha Systems   Daejeon, Korea
Development of Object Tracking Algorithm   *2025/03 – 2025/09*

Developed real-time tracking algorithms for small-scale targets using EO/IR imaging systems.
Led end-to-end development from algorithm design to system integration and testing.

SkyLabs   Daejeon, Korea
Development of Anomaly Detection Algorithm for ABP Signals   *2024/03 – 2024/09*

Participated in the development of an anomaly detection algorithm for arterial blood pressure (ABP) signals.
Removed extreme anomalies and normalized patterns to enhance model robustness during preprocessing.

TEACHING

(HBNU PROJ1112) Introduction to Engineering Design   Spring 2025
Teaching Assistant (TA) | Instructor: Seongmin Lee
(HBNU PROJ1112) Introduction to Engineering Design   Spring 2024
Teaching Assistant (TA) | Instructor: Yunho Jeon

EXTRACURRICULAR

English Language Program, High-Intermediate Level [pdf]   Guelph, Canada
University of Guelph, Canada   *2022/07 – 2022/08*

Chinese Language and Culture Program [pdf]   Shanghai, China
Shanghai University, China   *2019/12 – 2020/01*

Institute of Information Security Education for the Gifted   Kongju, Korea
Kongju National University, Republic of Korea   *2014/10 – 2015/11*

Studied cryptography and network security through basic and advanced courses.

LICENSES & CERTIFICATIONS

Big-Data Analysis Engineer [pdf]   Korea Data Agency

MILITARY SERVICE

Republic of Korea Army   *2020/03 – 2021/09*
Mandatory military service, honorably discharged as Sergeant.

LANGUAGE PROFICIENCY

Native in Korean
Conversational in English
Conversational in Chinese