



Wonik Jang

ARTIFICIAL INTELLIGENCE RESEARCHER

Kyung Hee University

Yongin, South Korea

+82 10-8973-6393 | ericegg0104@gmail.com | Gankka01 | Google Scholar

Research Interests

- Reinforcement learning and multi-agent learning
- GPU resource scheduling and AI infrastructure
- Digital watermarking and AI-generated text detection

Education

Kyung Hee University

Master of Artificial Intelligence

Yongin, South Korea

Mar. 2025 – Feb. 2027

- Graduate studies in artificial intelligence at ICNS Lab under the supervision of Prof. Eui-Nam Huh.

Kangnam University

Bachelor's Degree in Data Science

Yongin, South Korea

Mar. 2019 – Feb. 2025

- Double major in Data Science and Public Service.

Publications

JOURNAL ARTICLES

- **Wonik Jang** and Eui-Nam Huh. "PatchMark: Patch-Based Invisible Watermarking for High Payload with a 2D Barcode Mechanism." *IEEE Access*. **Accepted for publication.** October 2026

CONFERENCE PAPERS

- **Wonik Jang** and Eui-Nam Huh. "Effect of Behavior-Perturbed Agents in Cooperative Multi-Agent Reinforcement Learning." *Proceedings of the Korea Computer Congress (KCC 2026)*, pp. 1356–1358. June 2026
- **Wonik Jang**, Hyunjong Jang, and Eui-Nam Huh. "KoboNet: A Deep Learning Model for Detecting AI-Generated Korean Text." *Proceedings of the Korea Computer Congress (KCC 2025)*, pp. 1123–1125. July 2025

MANUSCRIPTS UNDER REVIEW

- **Wonik Jang** and Eui-Nam Huh. "Global Advantage Weighting with Job Feedback for GPU Cluster Scheduling." Submitted to *ICOIN 2027*. October 2026

Research

ICNS Lab, Kyung Hee University

Graduate Researcher

Yongin, South Korea

2025–2026

- **AI-MCMP** 2026
Develop AIOps system components and design scheduler agents for cloud resource management.
- **Cloud Continuum Technologies for Large-Scale AI Services** 2025–2026
Develop AI-generated text detection methods and document research outcomes.
- **CCRC Seminar Coordination** 2025–2026
Coordinate communication, seminar scheduling, and operations across participating laboratories.

Projects

Video-Based Matching of Lost Dogs

Team Leader and Main Developer, Team Dasimanna (다시만나), Kangnam University

2023

- Developed video analysis and deep learning classifiers for lost-dog matching.
- The team earned an Encouragement Award at the 2023 Data Youth Campus competition.
- The project led to a memorandum of understanding (MOU) with ToBePet.

Intellectual Property

PATENT APPLICATIONS

- Eui-Nam Huh and **Wonik Jang**. “Text Detection Device for AI-Generated Content Based on Part-of-Speech and Phonological and Method of Operating the Same.”
Filed by the University-Industry Cooperation Group of Kyung Hee University.
Korean application **10-2025-0088858**, filed July 2, 2025.
Corresponding PCT application **PCT/KR2025/023209**, filed December 30, 2025.

July 2025

SOFTWARE COPYRIGHT REGISTRATIONS

- **Wonik Jang**. *DCC (Deep Classify Cut): Multiple Deep-Learning Classifiers*.
Korea Copyright Commission, registration **C-2023-039364**, September 4, 2023.

September 2023

Awards

Encouragement Award, 2023 Data Youth Campus Outstanding Project Competition.

November 2023

- Awarded by the President of the Korea Data Strategy Society for the team project *Video-Based Matching of Lost Dogs*.

Leadership

Campus Representative, CCC (Korea Campus Crusade for Christ) at Kangnam University

2023–2024

- Managed budgets and events for a student organization of approximately 100 members.
- Represented religious clubs and served on the university’s student club council.

District Secretary, CCC Yongin District

2022–2023

- Coordinated joint activities among CCC groups at eight campuses.
- Managed retreat budgets and logistics for approximately 200 district participants.