Woojin Lee

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RESEARCH INTERESTS

My research vision is to develop efficient AI methodologies for high performance even in data-scarce scenarios or with limited resources. I'm broadly interested in AI ideas, including CV and NLP, focusing on enhancing model performance and addressing challenges like learning efficiency or hallucination through techniques such as model architecture development and learning algorithm improvements (e.g., GAN, RAG).

Keywords: Efficient Learning, Multi-modal Learning, Generative Models

EDUCATION

Korea University Mar. 2020 - present (Sep. 2025)
B.S. in Industrial Management Engineering, Computer Science and Engineering *Seoul, Korea*
GPA: 4.05/4.5

EXPERIENCE

DMQA (Data Mining & Quality Analysis Lab), Korea University Jul. 2024 - Jan. 2025
Jinri Scholar (Undergraduate Research Intern)
Supervised by Prof. Seoungbum Kim

KUBIG, Korea University Jul. 2024 - present
Data Science & AI Society

HONORS & AWARDS

Korea University Feb. 2025
***Academic Excellence Award (President's List)**, 2nd Semester, 2024*

Korea University Aug. 2024
***Academic Excellence Award (Dean's List)**, 1st Semester, 2024*

K-Data Science Hackathon Nov. 2024
Creativity Award

PROJECTS

Development of Vision AI Model for Plant Growth Analysis Jul. 2024 - Jan. 2025
DMQA, Korea University

Development of News Chatbot using Retrieval-Augmented Generation (RAG) Dec. 2024 - Feb. 2025
KUBIG, Korea University

SKILLS

Deep Learning, Machine Learning
Pytorch, Tensorflow, Numpy

Programming Languages
Python, C, R, JavaScript

Database
SQL