

# Woojin Lee

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## RESEARCH INTERESTS

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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

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

## EXPERIENCE

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<b>DMQA (Data Mining &amp; Quality Analysis Lab), Korea University</b>	Jul. 2024 - Jan. 2025
<i>Jinri Scholar (Undergraduate Research Intern)</i>	
Supervised by Prof. Seoungbum Kim	
<b>KUBIG, Korea University</b>	Jul. 2024 - present
<i>Data Science &amp; AI Society</i>	

## HONORS & AWARDS

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<b>Korea University</b>	Feb. 2025
<i>Academic Excellence Award (President's List), 2nd Semester, 2024</i>	
<b>Korea University</b>	Aug. 2024
<i>Academic Excellence Award (Dean's List), 1st Semester, 2024</i>	
<b>K-Data Science Hackathon</b>	Nov. 2024
<i>Creativity Award</i>	

## PROJECTS

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<b>Development of Vision AI Model for Plant Growth Analysis</b>	Jul. 2024 - Jan. 2025
<i>DMQA, Korea University</i>	
<b>Development of News Chatbot using Retrieval-Augmented Generation (RAG)</b>	Dec. 2024 - Feb. 2025
<i>KUBIG, Korea University</i>	

## SKILLS

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**Deep Learning, Machine Learning**  
*Pytorch, Tensorflow, Numpy*

## **Programming Languages**

*Python, C, R, JavaScript*

## **Database**

*SQL*