

Kyeonghyun Kim

Researcher at AITRICS | Last Update: Mar. 11, 2025
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Research Interest

Retrieval Augmented Generation, Natural Language Processing, Large Language Models

Education

Chung-Ang University

M.S. in Artificial Intelligence

GPA: 4.33 / 4.5

Advisor: [YoungBin Kim](#)

Seoul, Korea

Mar. 2024 – Present

Myongji University

B.S. in Engineering

GPA: 3.81 / 4.5 [[Certificate](#)][[Transcript](#)]

Yongin, Korea

Mar. 2018 – Feb. 2024

Research and Work Experience

Research Assistant

Advisor: [YoungBin Kim](#)

Intelligent Information Processing Lab @ Chung-Ang Univ.

Mar. 2024 – Present

Undergraduate Intern

Advisor: [YoungBin Kim](#)

Intelligent Information Processing Lab @ Chung-Ang Univ.

Jul. 2023 – Feb. 2024

Undergraduate Intern

Advisor: Dongil Shin

iSEL Lab @ Myongji Univ.

Aug. 2022 – Jun. 2023

International Publications

Plug-in and Fine-tuning: Bridging the Gap between Small Language Models and Large Language Models [[Paper](#)]

[Kyeonghyun Kim](#), Jinhee Jang, Juhwan Choi, Yoonji Lee, Kyohoon Jin and YoungBin Kim

ACL 2025

Making Sense of Korean Sentences: A Comprehensive Evaluation of LLMs through KoSEnd Dataset

Seunguk Yu, [Kyeonghyun Kim](#), JungMin Yun and YoungBin Kim

ACL 2025 Student Research Workshop

Domestic Publications

다중 LLM 응답과 이중 정제를 통한환각 탐지 데이터 생성 프레임워크[[Paper](#)]

Hayeong Ryu, [Kyeonghyun Kim](#), Yeonghwa Kim, JuneHyoung Kwon, and YoungBin Kim

2025 Summer Annual Conference of IEIE

자율주행 환경에서 카메라 기반 3D 객체 탐지를 위한 Depth 추정 방식 비교 분석[[Paper](#)]

Kahyeon Kim, Seunghoon Lee, [Kyeonghyun Kim](#), Youngbin Kim

2025 Summer Annual Conference of IEIE

Con-RAG: 기여도 기반 검색 필요성 분석을 통한 효율적인 검색 증강 생성 [[Paper](#)]

Research Projects

Development of Medical Counselor Chatbot	Jun. 2025 – Ing
Sponsor: Hankook Cloud	
Role: Fine-tuning a Large Language Model (LLM) specialized in Korean medical counseling	
Development of RAG-based Conversational QA System for Real Estate Law	Jun. 2024 – Dec. 2024
Sponsor: URP	
Role: Development of a retrieval system specialized in real estate law	
Teaching Assistant for AI Mathematics Lab at Chung-Ang University	Jul. 2024 – Sep. 2024
Role: AI Mathematics Lab Teaching Assistant	

Academic Projects

Process Design Automation using Artificial Intelligence	Mar. 2023 – Jun. 2023
Course: 캡스톤 디자인	
Reinforcement learning-based process design automation for Benzene-Toluene-Xylene separation	
Concrete Strength Prediction using XGBoost	Mar. 2023 – Jun. 2023
Course: 화공 인공지능 활용	
Regression model development for concrete strength prediction based on material properties	
Hybrid Optimization using Genetic Algorithm and Gradient Descent	Sep. 2022 – Dec. 2022
Course: 화공 전산	
Combined global and local optimization approach for chemical process optimization	

Skills

Language Proficiency	Korean (Native) English (Basic)
Programming Languages	Python (Familiar)
Libraries & Tools	PyTorch HuggingFace Transformers Pandas