

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

A Comprehensive Evaluation of LLMs through KoSEnd Dataset

Under review at ARR

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](#)]

[Kyeonghyun Kim](#), Yeonghwa Kim, Kyohoon Jin, and YoungBin Kim

Research Projects

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|--|-----------------------|
| Development of RAG-based Conversational QA System for Real Estate Law | Jun. 2024 – Dec. 2024 |
| Sponsor: URP Co. 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

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|--|-----------------------|
| 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

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