

# Kyeonghyun Kim

Researcher at AITRICS | Last Update: Mar. 11, 2025  
✉ khyun8072@cau.ac.kr | 🌐 khyun8072 | 🔗 LinkedIn | 🏠

## Research Interest

Large Language Models, Retrieval Augmented Generation, Natural Language Processing

## 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

\* denotes equal contribution

Making Sense of Korean Sentences: A Comprehensive Evaluation of LLMs through KoSEnd Dataset [[Paper](#)]

Seungkuk 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

<b>AI Metaverse-based Digital Healthcare and Mindcare Platform Development</b> Sponsor: Korea Radio Promotion Association <b>Role:</b> Fine-tuning domain-specific Large Language Models (LLMs)	Apr. 2025 – Present
<b>RAG-based Conversational Question-Answering System</b> Sponsor: Industry Research Project <b>Role:</b> Development of domain-specific retrieval system	Jun. 2024 – Dec. 2024
<b>Teaching Assistant for AI Mathematics Lab at Chung-Ang University</b> <b>Role:</b> AI Mathematics Lab Teaching Assistant	Jul. 2024 – Sep. 2024

Academic Projects

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

Skills

<b>Language Proficiency</b>	Korean (Native) English (Basic)
<b>Programming Languages</b>	Python (Familiar)
<b>Libraries &amp; Tools</b>	PyTorch   HuggingFace Transformers   Pandas