

# 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

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

## Academic Projects

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

## Skills

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