Kyeonghyun Kim

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

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Research Interest

Large Language Models, Retrieval Augmented Generation, Natural Language Processing

Education

Chung-Ang University — Seoul, Korea

M.S. in Artificial Intelligence — Mar. 2024 – Present
GPA: 4.33 / 4.5
Advisor: YoungBin Kim

Myongji University — Yongin, Korea

B.S. in Engineering — Mar. 2018 - Feb. 2024
GPA: 3.81 / 4.5 [Certificate][Transcript]

Research and Work Experience

Research Assistant — Intelligent Information Processing Lab @ Chung-Ang Univ.

Advisor: YoungBin Kim — Mar. 2024 - Present

Undergraduate Intern — Intelligent Information Processing Lab @ Chung-Ang Univ.

Advisor: YoungBin Kim — Jul. 2023 - Feb. 2024

Undergraduate Intern — iSEL Lab @ Myongji Univ.

Advisor: Dongil Shin — 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]

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]

Kyeonghyun Kim, Yeonghwa Kim, Kyohoon Jin, and YoungBin Kim
2024 Summer Annual Conference of IEIE

Research Projects

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