

Chanwoong Yoon

[Email](#) | [LinkedIn](#) | [Google Scholar](#) | [Homepage](#)

RESEARCH INTERESTS

Natural Language Processing, AI Safety, Model Interpretability

EDUCATION

Korea University Mar. 2024 - Present

M.S. - Computer Science and Engineering; GPA: 4.0/4.0

Hanyang University Mar. 2017 - Feb. 2023

B.S. - Software, College of Computing; GPA: 3.66/4.0

EXPERIENCE

Georgia Institute of Technology Oct. 2025 - Present

Visiting Researcher

- Advisor: [Alan Ritter](#)

Data Mining and Information Systems Lab, Korea University Aug. 2023 - Sep. 2025

Research Assistant

- Advisor: [Jaewoo Kang](#)

Electronics and Telecommunications Research Institute (ETRI) Jul. 2022 - Aug. 2022

Research Intern

- Advisor: [Junseong Bang](#)

SELECTED PUBLICATIONS

CompAct: Compressing Retrieved Documents Actively for Question Answering

Chanwoong Yoon, Taewhoo Lee, Hyeon Hwang, Minbyul Jeong, Jaewoo Kang

[EMNLP 2024](#)

Ask Optimal Questions: Aligning Large Language Models with Retriever's Preference in Conversational Search

Chanwoong Yoon*, Gangwoo Kim*, Byeongguk Jeon, Sungdong Kim, Yohan Jo, Jaewoo Kang

[Findings of NAACL 2025](#)

ETHIC: Evaluating Large Language Models on Long-Context Tasks with High Information Coverage

Taewhoo Lee, **Chanwoong Yoon**, Kyochul Jang, Donghyeon Lee, Minju Song, Hyunjae Kim, Jaewoo Kang

[NAACL 2025](#)

Does Time Have Its Place? Temporal Heads: Where Language Models Recall Time-specific Information

Yein Park, **Chanwoong Yoon**, Jungwoo Park, Minbyul Jeong, Jaewoo Kang

[ACL 2025](#)

ChroKnowledge: Unveiling Chronological Knowledge of Language Models in Multiple Domains

Yein Park, **Chanwoong Yoon**, Jungwoo Park, Donghyeon Lee, Minbyul Jeong, Jaewoo Kang

[ICLR 2025](#)

FULL PUBLICATIONS

Assessing LLM Reasoning Steps via Principal Knowledge Grounding

Hyeon Hwang, Yewon Cho, Chanwoong Yoon, Yein Park, Minju Song, Kyungjae Lee, Gangwoo Kim, Jaewoo Kang

[Findings of EMNLP 2025](#)

Outlier-Safe Pre-Training for Robust 4-Bit Quantization of Large Language Models

Jungwoo Park, Taewhoo Lee, Chanwoong Yoon, Hyeon Hwang, Jaewoo Kang

[ACL 2025](#)

Rationale-Guided Retrieval Augmented Generation for Medical Question Answering

Jiwoong Sohn, Yein Park, Chanwoong Yoon, Sihyeon Park, Hyeon Hwang, Mujeen Sung, Hyunjae Kim, Jaewoo Kang

[NAACL 2025](#)

LAPIS: Language Model-Augmented Police Investigation System

Heedou Kim, Dain Kim, Jiwoo Lee, Chanwoong Yoon, Donghee Choi, Mogan Gim, Jaewoo Kang

[CIKM 2024](#)

Small Language Models Learn Enhanced Reasoning Skills from Medical Textbooks

Hyunjae Kim, Hyeon Hwang, Jiwoo Lee, Sihyeon Park, Dain Kim, Taewhoo Lee, Chanwoong Yoon, Jiwoong Sohn, Donghee Choi, Jaewoo Kang

[NPJ Digital Medicine](#)

RESEARCH ACTIVITY

Data Mining and Information Systems Lab, Korea University

Aug. 2023 - Sep. 2025

- Context Compression for Retrieved-Augmented Language Model

- Employed an active strategy to condense extensive documents without losing key information in retrieved corpus.
- Demonstrated significant improvements in both performance and compression rate on question-answering benchmarks
- Showcased flexibility as a cost-efficient plug-in module with various off-the-shelf retrievers or readers, achieving exceptionally high compression rates (47x).

- RetPO: Retriever's Preference Optimization

- Developed a RETPO, a novel framework to optimize a language model for reformulating search queries in line with the preferences of target retrieval systems.
- Achieved state-of-the-art performance, significantly outperforming existing baselines, including GPT-3.5.

Electronics and Telecommunications Research Institute (ETRI)

Jul. 2022 - Aug. 2022

- Trained efficient dialogue state tracking models with parameter-efficient fine-tuning

AWARDS AND HONORS

Research Fund Recipient, Korea Institute for Advancement of Technology (KIAT)

May 2025

- Selected to receive over USD 21,000 in research support

Outstanding Research Paper Award, Korea University

Feb. 2025

- CompAct: Compressing Retrieved Documents Actively for Question Answering (EMNLP 2024)

Encouragement Award, KIISE Korea Computer Congress Competition

Jul. 2022

Merit-based Scholarships (50% Tuition), Hanyang University

Fall 2020 — Spring 2022

TECHNICAL SKILLS

Programming: Python, C, C++

Libraries: PyTorch, NumPy, Matplotlib, Transformers, TransformerLens

Machine Learning & Deep Learning (LLMs): Post-training Strategies (Fine-tuning, DPO)

Natural Language Processing (NLP): Information Retrieval, Retrieval-Augmented Generation

RESEARCH & ANALYTICAL SKILLS

Theoretical Foundations: Linear Algebra, Probabilistic Modeling, Information Theory

Scientific Writing & Publication: Experience publishing at top-tier conferences (ICLR, ACL, EMNLP, NAACL, CIKM)

Collaboration & Mentorship: Experience in academic collaborations as a first author and co-author (mentoring junior researchers)

ACADEMIC SERVICE

ICLR 2026

- Reviewer

ARR Review (Dec. 2025), ACL 2025

- Secondary Reviewer

LANGUAGE

Korean (Native)

English (TOEFL: 104)