

DOSUNG LEE

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Google Scholar



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EDUCATION

Korea University

B.S. in Artificial Intelligence & Biology

Aug 2024

Korea University

Ph.D. Student in Computer Science, Artificial Intelligence

Advisor: Prof. Paul Hongsuck Seo



Current research: RAG, Multimodal Learning, LLM Agents, Personalization

Sep 2024 – Present

PUBLICATIONS



The 2025 Conference on Empirical Methods in Natural Language Processing

EMNLP 2025 (findings)

- **ReTAG: Retrieval-Enhanced, Topic-Augmented Graph-Based Global Sensemaking**
- Boyoung Kim, **Dosung Lee**, Sumin An, Jinseong Jeong, Paul Hongsuck Seo
-  Project Page
-  arXiv PDF



The 63rd Annual Meeting of the Association for Computational Linguistics

ACL 2025

- **ReSCORE: Label-free Iterative Retriever Training for Multi-hop Question Answering with Relevance-Consistency Supervision**
- ***Dosung Lee**, *Wonjun Oh, Boyoung Kim, Minyoung Kim, Joonsuk Park, Paul Hongsuck Seo (* equal contribution)
-  Project Page
-  arXiv PDF

PREPRINTS

Arxiv

- **Breaking the Visual Shortcuts in Multimodal Knowledge-Based Visual Question Answering**
- **Dosung Lee**, Sangwon Jung, Boyoung Kim, Minyoung Kim, Sungyeon Kim, Junyoung Sung, Paul Hongsuck Seo
-  Project Page
-  arXiv PDF

Arxiv

- **GOAT: A TRAINING FRAMEWORK FOR GOAL-ORIENTED AGENT WITH TOOLS**
- Hyunji Min, Sangwon Jung, Junyoung Sung, **Dosung Lee**, Leekyeung Han, Paul Hongsuck Seo
-  Project Page
-  arXiv PDF

WORK EXPERIENCE

Visiting Researcher, University of Wisconsin, Madison, WI, Advisor: Prof. Kangwook Lee. Dec. 15, 2025 – May 31, 2026

ONGOING PROJECTS

Clarifying Agent

Detecting ambiguity in user queries and generating targeted clarification questions to refine intent.

LLM Dynamic Persona Modeling with Memory Update

Modeling user-specific behaviors and preferences using long-term memory representations and memory editing.

HONORS & AWARDS

Merit-based Scholarship — KRW 1,695,000, Fall 2022

Merit-based Scholarship — KRW 1,119,000, Fall 2018

Kim Chang-hwan Foundation Scholarship — KRW 2,500,000, Spring 2018