Yeongbin Seo

Seoul, South Korea

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Homepage: https://ybseo-ac.github.io/

Education

Yonsei University	*Seoul, South Korea*
M.S. in Artificial Intelligence	*Mar 2024 – present*

- **Advisor:** Prof. Jinyoung Yeo
- **Research Areas:** Large Language Models, Continual Knowledge Learning, Hallucination Prediction, Diffusion, Machine Learning, Reinforcement Learning

Yonsei University	*Seoul, South Korea*
B.S. in Educational Sciences	*Mar 2008 – Feb 2018*

- **Coursework:** Counseling Psychology, Neurocognitive Psychology

Publications

Train-Attention: Meta-Learning Where to Focus in Continual Knowledge Learning *Jun 2024*

Yeongbin Seo, Dongha Lee*, Jinyoung Yeo*

Accepted at **NeurIPS** 2024

[Paper] ↗

Detecting Hallucination Before Answering: Semantic Compression Through Instruction *Oct 2024*

Yeongbin Seo, Dongha Lee*, Jinyoung Yeo*

Under review for submission to **ICLR** 2025

[Paper] ↗

* indicates corresponding authors

Industrial Experience

LLM-Powered Development-Assistant Tool with LG TV *2024*

- Developed a developer assistance tool commissioned by LG TV with the following features: (1) Automated assessing of SRS (Software Requirement Specification) documents (2) Conversion of SRS documents into Test Cases (TC) (3) Conversion of Test Cases (TC) into code scripts
- Tools Used: Python, Langchain, Pytorch

RAG based chatbot with Donga-ILBO *2023*

- Designed and developed askDonga, a Retrieval-Augmented Generation (RAG)-based chatbot.
- Tools Used: Python, Langchain, Uvicorn, Faiss

AI News Recommendation System with Donga-Ilbo *2022*

- Designed and developed an AI-based news recommendation system for the Dong-A Ilbo website.
- Tools Used: Python, SQL, redis, Nginx, AWS

Skills

Languages: Python, Java, JavaScript, C/C++

Deep Learning Frameworks and Tools: PyTorch, Langchain, BitsAndBytes

Other Job Experience

Software Engineer   *Seoul, South Korea*
Donga-Ilbo   *June 2023 – Aug 2024*

- Led the planning and development of AI services based on articles for Donga-Ilbo, South Korea's top newspaper.

Data Analysis Specialist Journalist   *Seoul, South Korea*
News1, Yonhap News   *Dec 2018 – Aug 2022*

- Worked as a journalist for major South Korean media outlets, News1 and Yonhap News.
- Specialized in statistical analysis articles while covering the Ministry of Economy and Finance, Statistics Korea, and the financial investment industry.

Rock Band Musician   *Seoul, South Korea*
Band Seoyeongbin   *Jan 2015 – Dec 2017*

- Leader, guitarist, and composer of the underground rock band "Band Seoyeongbin", a three-member group active in underground clubs.