Eunseong Choi

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▬▬▬ Research Interests

My research interest lies in all about *Retrieval-augmented Generation.*

▬▬▬ Education

Mar 2020 – Feb 2026 **(Expected)**	**M.S./Ph.D.**, *Department of Artificial Intelligence*, Sungkyunkwan University (SKKU), Republic of Korea Advisor: Prof. Jongwuk Lee GPA: 4.25/4.50
Mar 2012 – Feb 2020	**B.A.**, *Department of Architecture*, Sungkyunkwan University (SKKU), Republic of Korea GPA: 3.92/4.50
	B.S., *Samsung Convergence Software Course (SCSC)*, Sungkyunkwan University (SKKU), Republic of Korea. GPA: 4.30/4.50

▬▬▬ Publications

International Conferences

* denotes equal contribution.

1. Multi-view-guided Passage Reranking with Large Language Models.
   Jeongwoo Na, Jun Kwon, **Eunseong Choi**, and Jongwuk Lee.
   The 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP), 2025

2. Conflict-Aware Soft Prompting for Retrieval-Augmented Generation.
   Eunseong Choi, June Park, Hyeri Lee, and Jongwuk Lee.
   The 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP), 2025

3. Generative Recommendation via Semantic-aware Multi-granular Late Fusion.
   Sunkyung Lee, Minjin Choi, **Eunseong Choi**, Hye-young Kim, and Jongwuk Lee.
   The 63rd Annual Meeting of the Association for Computational Linguistics (ACL), 2025

4. From Reading to Compressing: Exploring the Multi-document Reader for Prompt Compression.
   Eunseong Choi, Sunkyung Lee, Minjin Choi, June Park, and Jongwuk Lee.
   Findings of the Association for Computational Linguistics: EMNLP 2024, 2024

5. Multi-granularity Guided Fusion-in-Decoder.
   Eunseong Choi, Hyeri Lee, and Jongwuk Lee.
   Findings of the Association for Computational Linguistics: NAACL 2024, 2024

6. Forgetting-aware Linear Bias for Attentive Knowledge Tracing.
   Yoonjin Im*, **Eunseong Choi***, Heejin Kook, and Jongwuk Lee.
   In Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (CIKM) short paper, 2023

7. ConQueR: Contextualized Query Reduction using Search Logs.
   Hye-young Kim*, Minjin Choi*, Sunkyung Lee, **Eunseong Choi**, Young-In Song, and Jongwuk Lee.

The 46th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR) short paper, 2023

8. SpaDE: Improving Sparse Representations using a Dual Document Encoder for First-stage Retrieval.
   Eunseong Choi*, Sunkyung Lee*, Minjin Choi, Hyeseon Ko, Young-In Song, and Jongwuk Lee.
   In Proceedings of the 31st ACM International Conference on Information and Knowledge Management (CIKM), 2022

9. Long-tail Mixup for Extreme Multi-label Classification.
   Sangwoo Han, **Eunseong Choi**, Chan Lim, Hyunjung Shim, and Jongwuk Lee.
   In Proceedings of the 31st ACM International Conference on Information and Knowledge Management (CIKM) short paper, 2022

10. MelBERT: Metaphor Detection via Contextualized Late Interaction using Metaphorical Identification Theories.
    Minjin Choi, Sunkyung Lee, **Eunseong Choi**, Heesoo Park, Junhyuk Lee, Dongwon Lee, and Jongwuk Lee.
    Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), 2021

Domestic Conferences

1. Yoonjin Im, Jaewan Moon, **Eunseong Choi**, and Jongwuk Lee, Improving the Accuracy of Knowledge Tracing Models using Quantized Correctness Embeddings. *Korea Computer Congress (KCC)*, 2022
   (Best paper)

2. Jiwoo Kim, Sunkyung Lee, **Eunseong Choi**, and Jongwuk Lee. Pseudo-sentence Representation for Math Word Solving Problem. *Korea Computer Congress (KCC)*, 2022

Domestic Journals

1. Yoonjin Im, Jaewan Moon, **Eunseong Choi**, and Jongwuk Lee, Improving the Performance of Knowledge Tracing Models using Quantized Correctness Embeddings. *Journal of KIISE*, 2022

2. Sunkyung Lee, **Eunseong Choi**, Seonho Jeong, Jongwuk Lee. Data Augmentation Methods for Improving the Performance of Machine Reading Comprehension. *Journal of KIISE*, 2021

▬▬▬ Work Experiences

Mar 2025 – Apr 2025	**Research Intern**, *Search&Ranking Modeling*
	NAVER Corp., Seongnam-si, Gyeonggi, Republic of Korea
Jul 2021 – Aug 2021	**Research Intern**, *NAVER Search CIC*
	NAVER Corp., Seongnam-si, Gyeonggi, Republic of Korea

▬▬▬ Honors and Awards

2024	1st prize, Graduate School Thesis Awards, Sungkyunkwan University
2023	2nd prize, AI Grand Challenge for Policy Support AI, IITP
2022	1st place, AI Grand Challenge for Math Word Problem Solving, IITP
2021	2nd prize, Graduate School Thesis Awards, Sungkyunkwan University
2017, 2019	Dean's List, College of Engineering, Sungkyunkwan University

▬▬▬ Teaching Assistant

Regular Courses

Spring 2023	Introduction to Recommender Systems	
Fall 2022	Fundamentals of Machine Learning	
Fall 2021	Deep Neural Networks	
Spring 2020-2022	Introduction to Database	

Extracurricular Courses

2024	Machine Learning	LG Electronics
2022	Machine Learning	LG Electronics, Samsung SDS
2021	Machine Learning	LG Electronics
2020	Machine Learning	LG Electronics, Samsung SDS, SK Innovation

Scholarships

2020 - 2022	Graduate School Scholarship
2019	Academic Excellence Scholarship
2017 - 2019	National Scholarship (Natural Science and Engineering)
2015 - 2016	Academic Excellence Scholarship