SAEJIN KIM

AI RESEARCHER

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I am a third-year master's student at Yonsei University advised by Prof. Youngjae Yu. My research interests include computer vision, deep learning, and AI applications in healthcare. I'm passionate about developing intelligent systems that can benefit society.

EDUCATION

M.S. in Artificial Intelligence
Yonsei University

□ May. 2023 – Feb. 2026 (Expected)
📍 Seoul, Korea

- Multimodal Intelligence Research Lab
- Academic Advisor: Youngjae Yu
- CGPA (Major): 4.18/4.3

B.E. in Computer Science
Yonsei University

□ Mar. 2017 – Feb. 2023
📍 Seoul, Korea

- CGPA (Major): 3.82/4.3

EXPERIENCES

Application Engineer Internship
Nuerocle

□ 2021

- Analyze and optimize the performance of Deep learning models

PUBLICATIONS

[1] Yejin Choi[†], Jaewoo Park[†], Janghan Yoon, **Saejin Kim**, Jaehyun Jeon, and Youngjae Yu, "Zero-shot multimodal document retrieval via cross-modal question generation," in *Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2025. DOI: 10.48550/arXiv.2508.17079. arXiv: 2508.17079 [cs.IR].

[2] Jiwan Chung, **Saejin Kim**, Yongrae Jo, Jaewoo Park, Dongjun Min, and Youngjae Yu, *Teaching metric distance to autoregressive multimodal foundational models*, 2025. arXiv: 2503.02379 [cs.LG].

[3] Youngmin Kim[†], **Saejin Kim**[†], Hoyeon Moon, Youngjae Yu[*], and Junhyug Noh[*], "Scalp diagnostic system with label-free segmentation and training-free image translation," in *Medical Image Computing and Computer-Assisted Intervention – MICCAI 2025*, 2025. arXiv: 2406.17254. [Online]. Available: https://ar5iv.org/abs/2406.17254.

[4] Giyeong Oh, **Saejin Kim**, Woohyun Cho, Sangkyu Lee, Jiwan Chung, Dokyung Song, and Youngjae Yu, *Seal: Entangled white-box watermarks on low-rank adaptation*, 2025. DOI: 10.48550/arXiv.2501.09284. arXiv: 2501.09284 [cs.AI].

[5] Yejin Son[†], **Saejin Kim**[†], Dongjun Min, and Youngjae Yu, *Multimodal uncommonsense: From odd to ordinary and ordinary to odd*, To appear; venue listed as EMNLP 2025 on the author's page, 2025.

[6] Hui Jeong, Sang-Sun Han, Youngjae Yu, **Saejin Kim**, and Kug Jin Jeon, "How well do large language model-based chatbots perform in oral and maxillofacial radiology?" *Dentomaxillofacial Radiology*, vol. 53, no. 6, pp. 390–395, 2024. DOI: 10.1093/dmfr/twae021.

SKILLS

Programming Languages & Libraries

PyTorch, Python, C++

Languages

Korean (native) and English (intermediate).

Activities

Blockchain-At-Yonsei club (2021)

PROJECTS & AWARDS

Akallama-70b
□ 2024
- Academica-driven Large-Language Model for Korean

Multimodal RAG for Korean LLM
□ 2024
- Industry-Academic Cooperation project with Hyundai Group