Jinyeong Kim

✉ jinyeong1324@yonsei.ac.kr 🔗 rubato-yeong.github.io in jinyeong-kim ⌨ rubato-yeong

Research Interest

- Mechanistic Interpretability, Explainable AI (XAI)
- Multimodal Representation Learning, Large Vision-Language Models (LVLMs)
- Clinical AI, Medical Image Segmentation, Medical Image Registration

Education

Yonsei University   *Mar 2020 – Present*
M.D. Student (Minor: Artificial Intelligence)
- GPA: 4.29/4.3 (Rank: 1/121)

Research Experience

Medical Imaging & Computer Vision Lab @ Yonsei University   *May 2024 – Present*
Undergraduate Research Intern (Advisor: Prof. Seong Jae Hwang)
- Interpretability, Large Multimodal Models, Medical AI

AiMA Inc.   *Jan 2024 – Present*
Undergraduate Research Intern (Advisor: Prof. Joohyuk Son)
- Multi-Cancer Early Detection (MCED), AI Genomics, Bioinformatics

MONET Lab @ Yonsei University   *Aug 2021 – Jan 2025*
Undergraduate Research Intern (Advisor: Prof. Hae-Jeong Park)
- AI in Medical Imaging, Whole-body PET-CT Registration

Prevenotics Inc.   *Jul 2024 – Sep 2024*
Industry-Academia Collaboration Researcher (Team Leader)
- LLM-Aided Personalized Medical Report Generation

Publications

Mono-Modalizing Extremely Heterogeneous Multi-Modal Medical Image Registration   *MICCAI 2025*

K. Choo, H. Han, **Jinyeong Kim**, C. Yoon, S. J. Hwang

Pathology-Aware Adaptive Watermarking for Text-Driven Medical Image Synthesis   *MICCAI 2025*
                                                                (Early Accept, Top 9%)

C. Kim*, D. Ju*, **Jinyeong Kim**, W. Han, R. Alcover-Couso, S. J. Hwang

Your Large Vision-Language Model Only Needs A Few Attention Heads For Visual Grounding   *CVPR 2025*
                                                                (Highlight, Top 3.7%)

S. Kang, **Jinyeong Kim**, J. Kim, S. J. Hwang

See What You Are Told: Visual Attention Sink in Large Multimodal Models   *ICLR 2025*

S. Kang*, **Jinyeong Kim***, J. Kim, S. J. Hwang

Awards & Honors

Merit-based Scholarship (Yonsei University, CKD Kochon Foundation)   *Mar 2020 - Present*

3rd SEVERANCE AWARDS (Academic)   *June 2022*

2nd SEVERANCE AWARDS (Academic)   *June 2021*

50th International Chemistry Olympiad (IChO) Gold Medal   *Aug 2018*