SANG JUN PARK

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Multi-modal Learning | Generative Model

EDUCATION & RESEARCH EXPERIENCE

Korea University   **Seoul, South Korea**
M.S. In Artificial Intelligence   Mar. 2023 – Aug. 2025
• Medical Artificial Intelligence LAB (MAILAB)
• Advisor : Prof. Tae-Eui Kam

Incheon National University   **Incheon, South Korea**
B.S. In Computer Science and Engineering   Mar. 2017 – Feb. 2023
• Human-centered Artificial Intelligence LAB (HCILAB)   Dec. 2021 – Feb. 2023
• Advisor : Prof. Daejin Choi
Took two years of voluntary leave for military service in South Korean military (2017~2019)

PUBLICATION

(*= co-author, †= corresponding author)

Sang-Jun Park*, Keun-Soo Heo*, Dong-Hee Shin, Young-Han Son, Ji-Hye Oh, and Tae-Eui Kam†, "DART: Disease-aware Image-Text Alignment and Self-correcting Re-alignment for Trustworthy Radiology Report Generation," *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025

Sang-Jun Park, Keun-Soo Heo, Bogyeong Kang, Minjoo Lim, and Tae-Eui Kam†, "Group-wise Compression and Summarization via LLM-based Ensemble for Chest X-ray Report Generation," *International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, 2025 **(Oral Presentation)**

Bogyeong Kang, **Sang-Jun Park**, Minjoo Lim, Myeongkyun Kang, Keun-Soo Heo, Ji-Hye Oh, Hyun Jung Lee, and Tae-Eui Kam†, "Pre-to-Post Operative MRI Generation with Retrieval based Visual In-Context Learning", *International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI),* 2025

Keun-Soo Heo, Ji-Wung Han, Soyeon Bak, Minjoo Lim, Bogyeong Kang, **Sang-Jun Park**, Weili Lin, Han Zhang, Dinggang Shen, and Tae-Eui Kam†, "Sparsely Labeled fMRI Data Denoising with Meta-Learning-Based Semi-Supervised Domain Adaptation", *International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI)*, 2025 **(Early Accepted, Top 9%)**

Daejin Choi†, **Sangjun Park** "Improving Binding Affinity by Emphasizing Local Features of Drug and Protein", *Computational Biology and Chemistry*, 2025

Under Review
Yeachan Kim, Hyuntae Park, Yerim Oh, **Sang-Jun Park,** Ji-Hye Oh, Keun-Soo Heo, Taewon lee, Tae-Eui Kam, SangKeun Lee† "Dual-Perspective Reasoning Debate of Large Language Models for Video Understanding"

Jun-Mo Kim*, WooHyeok Choi*, **Sang-Jun Park**, Keun-Soo Heo, Dong-Hee Shin, Young-Han Son, Ji-Hye Oh, and Tae-Eui Kam† "SeeEEG: Semantic-aware EEG-based Multi-Modal Retrieval-Augmented Generation for High-Fidelity Visual Brain Decoding"

Minjoo Lim*, Bogyeong Kang*, **Sang-Jun Park**, Keun-Soo Heo, Hyun Jung Lee, Young-Han Son, and Tae-Eui Kam† "Trustworthy Missing Modality Synthesis via Self-correction with Structural Refinement and Inter-modality Assessment"

MULTI-LAB TEAM PROJECT

Thesis : Video Understanding   Sep. 2024 – Present
• Advisors : Prof. SangKeun Lee, Prof. Jae-Ho Han, and Prof. Tae-Eui Kam
• Participating LABs : Data Intelligence LAB, Bionics and Photonics LAB, Medical Artificial Intelligence LAB

Under Review
Yeachan Kim, Hyuntae Park, Yerim Oh, **Sang-Jun Park,** Ji-Hye Oh, Keun-Soo Heo, Taewon lee, Tae-Eui Kam, SangKeun Lee† "Dual-Perspective Reasoning Debate of Large Language Models for Video Understanding"

SCHOLARSHIP & AWARD

Haesung Cultural Foundation ($2,000)   Feb. 2022

Hackaton Competition, Exllent Project (Sponsored by TikTok,Yanolja,LINE FRIENDS,ABLY,Wanted)   Nov. 2021

KT Creative Innovation Leader ($1,000)   Oct. 2021

TEACHING EXPERIENCE

Korea University AI training program for LG CNS
Teaching Assistant
• Subject : Data AI   Sep. 2023 – Nov. 2023
• Advisor : Prof. Sejun Park

• Subject : Machine Learning   May. 2023 – Jun. 2023
• Advisor : Prof. Tae-Eui Kam

PATENT

A system and method for Automatically generating Chest X-ray Reports using Deep Learning-based Similar Data Retrieval (No. 10-2024-0125350)

Deep Learning-Based Contrastive Learning for Automated Chest X-ray Report Generation (No. 10-2024-0114727)