

# SANG JUN PARK

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Multi-modal Learning | Generative Model

## EDUCATION & RESEARCH EXPERIENCE

### Korea University

M.S. In Artificial Intelligence

- Medical Artificial Intelligence LAB (MAILAB)
- Advisor : Prof. Tae-Eui Kam

Seoul, South Korea

Mar. 2023 – Aug. 2025

### Incheon National University

B.S. In Computer Science and Engineering

- Human-centered Artificial Intelligence LAB (HCILAB)
- Advisor : Prof. Daejin Choi

Incheon, South Korea

Mar. 2017 – Feb. 2023

Dec. 2021 – Feb. 2023

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, Bogyong 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)

Keun-Soo Heo, Ji-Wung Han, Soyeon Bak, Minjoo Lim, Bogyong 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"

Bogyong 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"

Minjoo Lim\*, Bogyong 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

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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)