SANG JUN PARK

+82-10-2740-5475 | wedm2401@korea.ac.kr

Research Interest

Generative Model, Medical AI, Multi-modal

PUBLICATIONS

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", **ACM International Conference on Multimedia (ACM MM)**, 2025. **(Under Review)**

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", **International Conference on Computer Vision (ICCV)**, 2025. **(Under Review)**

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. **(Under Review)**

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. **(Under Review)**

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.

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.

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

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

RESEARCH EXPERIENCE

MAILAB, Korea University (Prof. Tae-Eui Kam)   Mar 2023 – Now
Researcher
- Generative Model, Multi-Modal, Medical AI (X-Ray Report Generation)

AIDML, Incheon National University (Prof. Daejin Choi)   Dec 2021 – Feb 2023
Undergraduate Intern
Drug-Discovery (Protein-Ligand binding affinity prediction)

EDUCATION

Korea University   Mar 2023 – Present
M.S. In Artificial Intelligence

Incheon National University   Mar 2017 – Feb 2023
B.S. In Computer Sicence and Engineering

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

LG CNS for AI Constultant   Sep 2023 – Nov 2023
Practical Assistant
- Subject : Data AI (Prof. Sejun Park)

LG CNS for AI Constultant   May 2023 – Jun 2023
Practical Assistant
- Subject : Machine Learning (Prof. Tae-Eui Kam)

PROJECT

Point Language Model: Towards Commonsensible and Ethical Language Model   Sep 2024 – Now
(Supervised by Prof. SangKeun Lee, Prof. Jae-Ho Han and Prof. Tae-Eui Kam)
Long-Term Video Understanding

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)