SANG JUN PARK

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EDUCATION & RESEARCH EXPERIENCE

Korea University — **Seoul, South Korea**
M.S. In Artificial Intelligence — Mar. 2023 – Present
• *Medical Artificial Intelligence LAB (MAILAB)*
• Thesis : Automated Chest X-ray Analysis and Report Generation
• 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
• Thesis : AI-driven Protein–Drug Binding Affinity Prediction for Drug Discovery
• Advisor : Prof. Daejin Choi
Took two years of voluntary leave for military service in South Korean military (2017~2019)

PUBLICATIONS

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

Selected Publications

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

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

Under Review

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

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

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

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

MULTI-LAB TEAM PROJECT

Point Language Model: Towards Commonsensible and Ethical Language Model 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

This work was supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIT) (No. RS-2024-00415812)

TEACHING EXPERIENCE

Teaching Assistant in the “AI Consultant” program organized by Korea University to provide AI training for LG CNS.

• 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)