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
• Thesis 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 Drug Discovery for Protein–Drug Binding Affinity Prediction
• Thesis Advisor : Prof. Daejin Choi

Took two years of voluntary leave for military service in South Korean military

PUBLICATIONS

(*= 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

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

UNDER REVIEW PAPER

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

• Project 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 Supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIT) (No. RS-2024-00415812)

TEACHING EXPERIENCE

Served as a Teaching Assistant in the "AI Consultant" program organized by Korea University to provide AI training for LG CNS employees.

• Thesis : Data AI Sep 2023 – Nov 2023
• Thesis Advisor : Prof. Sejun Park

• Thesis : Machine Learning May 2023 – Jun 2023
• Thesis Advisor : Prof. Tae-Eui Ka

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)