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", 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", 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", 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", 2025

SCHOLARSHIP & AWARD

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

• Hackaton Excellent Project Award (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

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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)