

EDUCATION

Korea Advanced Institute of Science and Technology

Integrated Master-PhD Course in [Artificial Intelligence](#)

Daejeon, South Korea

Feb 2024 – Ongoing

Seoul National University

Master of Engineering in [Artificial Intelligence](#)

Seoul, South Korea

Sep 2021 – Aug 2023

Korea Advanced Institute of Science and Technology

Bachelor of Engineering in [Bio and Brain Engineering](#)

Daejeon, South Korea

Mar 2013 – Feb 2020

EXPERIENCE

Research Intern

Department of Brain and Cognitive Sciences, Seoul National University

Feb 2020 – Aug 2020

Seoul, South Korea

- Analyzing MRI image using MATLAB and FreeSurfer
- Analyzing electroencephalogram (EEG) data
- Conducting EEG tests
- Conducting Mini-Mental State Examination (MMSE)

Machine Learning Engineer

DeepBio

Sep 2020 – June 2021

Seoul, South Korea

- Predicting the risk of disease occurrence based on the health screening data and single nucleotide polymorphism (SNP) data using machine learning
- Experiments on knowledge distillation using image data (CIFAR-10 and CIFAR-100) for model compression

Research Intern

Bio-MAX Institute, Seoul National University

June 2021 – Sep 2021

Seoul, South Korea

- Analyzing multi-omics data
- Reproducing a paper on how to use machine learning for quantitative assessment on the degree of oncogenic de-differentiation

Natural Language Processing Intern

NCSoft

July 2023 – Oct 2023

Pangyo, South Korea

- Augmentation of Korean-English parallel corpus based on dependency parsing
- Construction of common sense knowledge graph based on events extracted from raw text
- Data collection and analysis for developing conversational technologies
- Analysis and process for text data for developing language model and machine translation technologies

Image Segmentation

MeissaPlanet

Oct 2023 – Jan 2024

Seoul, South Korea

- Image segmentation utilizing Segment Anything Model (SAM)
- Attempts to accurately measure the earthwork volume through image segmentation of satellite images of construction sites

PUBLICATIONS

- Kweon, Sunjun, et al. "EHRNoteQA: An LLM Benchmark for Real-World Clinical Practice Using Discharge Summaries." **Advances in Neural Information Processing Systems 37** (2024): 124575-124611
- Yang, Jeewon, et al. "Deep learning-based survival prediction using DNA methylation-derived 3D genomic information." **ACM-BCB 2023 (Top 10%)** (github)

- Lee, Dohoon, et al. "Metheor: Ultrafast DNA methylation heterogeneity calculation from bisulfite read alignments." **PLOS Computational Biology** 19.3 (2023): e1010946.
- Lee, Dohoon, Jeewon Yang, and Sun Kim. "Learning the histone codes with large genomic windows and three-dimensional chromatin interactions using transformer." **Nature Communications** 13.1 (2022): 6678.

PRESENTATIONS

- The 49th Annual Meeting of Korean Cancer Association & 9th International Cancer Conference (June 2023).
 - Title: Deep learning-based survival prediction using DNA methylation-derived 3D genomic information.

TEACHING

- Teaching Assistant
 - 1) Seoul National University
 - 1-1) Algorithm (Sep. 2022 - Dec. 2022)
 - 2) KAIST
 - 2-1) Machine Learning for Healthcare (Mar. 2025 - Jun. 2025)
 - 2-2) Programming for AI (Sep. 2025 - Dec. 2025)

LANGUAGE

Korean

Native

English

Fluent (both written and verbal)