

## EDUCATION

<b>Korea Advanced Institute of Science and Technology</b> <i>Integrated Master-PhD Course in Artificial Intelligence</i>	Daejeon, South Korea Feb 2024 – Ongoing
<b>Seoul National University</b> <i>Master of Engineering in Artificial Intelligence</i>	Seoul, South Korea Sep 2021 – Aug 2023
<b>Korea Advanced Institute of Science and Technology</b> <i>Bachelor of Engineering in Bio and Brain Engineering</i>	Daejeon, South Korea Mar 2013 – Feb 2020

## EXPERIENCE

<b>Research Intern</b> <i>Department of Brain and Cognitive Sciences, Seoul National University</i>	Feb 2020 – Aug 2020 Seoul, South Korea
<ul style="list-style-type: none"><li>Analyzing MRI image using MATLAB and FreeSurfer</li><li>Analyzing electroencephalogram (EEG) data</li><li>Conducting EEG tests</li><li>Conducting Mini-Mental State Examination (MMSE)</li></ul>	
<b>Machine Learning Engineer</b> <i>DeepBio</i>	Sep 2020 – June 2021 Seoul, South Korea
<ul style="list-style-type: none"><li>Predicting the risk of disease occurrence based on the health screening data and single nucleotide polymorphism (SNP) data using machine learning</li><li>Experiments on knowledge distillation using image data (CIFAR-10 and CIFAR-100) for model compression</li></ul>	
<b>Research Intern</b> <i>Bio-MAX Institute, Seoul National University</i>	June 2021 – Sep 2021 Seoul, South Korea
<ul style="list-style-type: none"><li>Analyzing multi-omics data</li><li>Reproducing a paper on how to use machine learning for quantitative assessment on the degree of oncogenic de-differentiation</li></ul>	
<b>Natural Language Processing Intern</b> <i>NCSOFT</i>	July 2023 – Oct 2023 Pangyo, South Korea
<ul style="list-style-type: none"><li>Augmentation of Korean-English parallel corpus based on dependency parsing</li><li>Construction of common sense knowledge graph based on events extracted from raw text</li><li>Data collection and analysis for developing conversational technologies</li><li>Analysis and process for text data for developing language model and machine translation technologies</li></ul>	
<b>Image Segmentation</b> <i>MeissaPlanet</i>	Oct 2023 – Jan 2024 Seoul, South Korea
<ul style="list-style-type: none"><li>Image segmentation utilizing Segment Anything Model (SAM)</li><li>Attempts to accurately measure the earthwork volume through image segmentation of satellite images of construction sites</li></ul>	

## 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**

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- 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**

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- 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**

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### **Korean**

*Native*

### **English**

*Fluent (both written and verbal)*