

Jiseung Hong

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Education

Carnegie Mellon University	Pittsburgh, PA
Master of Science in Intelligent Information Systems (MIIS)	Dec 2025
Korea Advanced Institute of Science and Technology (KAIST)	Daejeon, South Korea
Bachelor's Degree – School of Computing	Feb 2024
GPA: 3.54/4.30	
Korea Student Aid Foundation (KOSAF) National Scholarship	Mar 2017 ~ Feb 2024

Work Experience

NCSOFT	Seongnam, South Korea
Intern, Natural Language Processing Narrative Laboratory	Mar 2021 ~ Aug 2021
<ul style="list-style-type: none">Developed a software prototype to organize clusters of news articles based on relevance to a given query by applying the <i>Learning-To-Rank (LTR)</i> technique to a Support Vector MachineOutperformed the previous news ranking system in terms of precision, recall, and f1-score	
SK Hynix	Seongnam, South Korea
Intern, Mobile Design and Operations Department	Dec 2019 ~ Feb 2020
<ul style="list-style-type: none">Designed a Flash Memory Translation Layer (FTL) in PythonAwarded the SK Hynix Scholarship for Excellence	

Academic Projects

OpenHands [Website](#)

Carnegie Mellon University	Aug 2024 ~ Mar 2025
<ul style="list-style-type: none">Developed PR-Arena, a competitive framework inspired by Copilot Arena, for evaluating and automating GitHub issue resolution using paired pull request generation from large language models (LLMs).Conducted comprehensive inference tests and performance evaluations for cutting-edge coding agents, including o1-mini, GPT-4o, and Llama, within the OpenHands project	

GRAVISU; Hosting a GradCAM Visualization Web Platform [GitHub](#)

Korea Advanced Institute of Science and Technology	Sep 2023 ~ Dec 2023
<ul style="list-style-type: none">Developed an <i>AI model explanation platform</i> utilizing GradCAM as a visualization tool	

SIn-NeRF2NeRF: Editing 3D Scenes with Instructions through Segmentation and Inpainting [Paper](#)

Korea Advanced Institute of Science and Technology	Sep 2023 ~ Dec 2023
<ul style="list-style-type: none">Enhanced Instruct-NeRF2NeRF, focusing on <i>disentangled object scene transformation</i> using spinnerf	

Korean Bio-Medical Corpus (KBMC) for Medical Named Entity Recognition (Accepted by LREC-COLING 2024) [Paper](#)

Seoul National University	May 2023 ~ Oct 2023
<ul style="list-style-type: none">Constructed the <i>Korean Bio-Medical Corpus (KBMC)</i>, the first open-source dataset for Korean medical named entity recognitionContributed primarily to evaluating six different language models on the KBMC dataset	

Abstract Text Summarizing Model for Title Generation [GitHub](#)

Korea Advanced Institute of Science and Technology	Sep 2020 ~ Dec 2020
<ul style="list-style-type: none">Implemented a Transformer-based model for generating titles for news articles through abstract summarization	

Any Questions? [GitHub](#)

Korea Advanced Institute of Science and Technology	Sep 2020 ~ Dec 2020
<ul style="list-style-type: none">Developed a gesture recognition system for an online education platform (Zoom) using <i>OpenPose</i>	

Skills

Programming Languages – Python (Professional), C (Advanced), Java, C++ (Intermediate)

Frameworks & Toolkits – TensorFlow, PyTorch / Learning-To-Rank (LTR), SpaCy, NLTK, Scikit-Learn, Pandas / OpenCV, Depth Supervised Neural Radiance Field (DS_NeRF), NumPy / FastAPI, Uvicorn