

Jiwoo Shin

Contact: natu33@kaist.ac.kr Personal Website: chuu-shin.github.io

EDUCATION

Korea Advanced Institute of Science and Technology, Daejeon, South Korea 03/2019 – Present
B.S. in Industrial and Systems Engineering & Computer Science (Double Major)

- GPA: 3.86/4.3, **Major GPA: 4.02/4.3**
- 2 years leave of absence for mandatory military service (10/2022 - 07/2024)

University of Portland (UP), Portland, OR 08/2025 – 12/2025
• Exchange Student, Department of Computer Science

Chungnam Science High School, Gongju, South Korea 03/2017 – 02/2019
• Early Graduation

WORK EXPERIENCE

Spiercore Inc., Daejeon, South Korea 12/2024 - 02/2025
• AI Research Engineer Intern
• Task: Predicting ADMET properties of molecules through GNN models pretrained in a multimodal setting with molecular text information

RESEARCH EXPERIENCE

KAIST AAILab, Daejeon, South Korea 03/2025 - 07/2025
• Advisor: Prof. Il-Chul Moon
• Research Topics: Training-Free Safe Image Generation in Text-to-Image Diffusion Models
• Collaboration with **NAVER Corp.**

KAIST AAILab, Daejeon, South Korea 09/2024 - 12/2024
• Advisor: Prof. Il-Chul Moon
• Research Topics: Retrieval-Augmented Generation (RAG)

KAIST AAILab, Daejeon, South Korea 03/2022 - 08/2022
• Advisor: Prof. Il-Chul Moon, Ph.D. Mingi Ji
• Research Topics: Knowledge Distillation, Class Imbalance

KAIST AAILab, Daejeon, South Korea 12/2021 - 02/2022
• Advisor: Prof. Il-Chul Moon
• Research Topics: Probabilistic Deep Generative Model, NLP

KAIST Financial Engineering Lab, Daejeon, South Korea 06/2021 - 08/2021
• Advisor: Prof. Woo Chang Kim
• Research Topics: High Frequency Trading, Reinforcement Learning

PUBLICATIONS

[1] "**Nodes-in-Cluster Significance Score(NCSS): Keyword Extraction with Redefined TW-IDF using Stock News Text Data**" Junhyeok Jung*, Kwanghyeon Lee*, **Jiwoo Shin***, Jieun Han*, Korea Computer Congress (KCC 2022, poster)

AWARDS

Dean's List (Top 3%), KAIST ISE	Fall 2024
KAIST IE Frontier Encouragement Award	Nov 2022
Dean's List (Top 3%), KAIST ISE	Fall 2020

SCHOLARSHIPS

Korea-U.S. Advanced Technology Youth Exchange Program Scholarship	Fall 2025
Department Honors Scholarship (Rank #2), KAIST ISE	Spring 2022
Department Honors Scholarship (Rank #1), KAIST ISE	Fall 2020

ACTIVITIES

KAIST Buddy Program, International Exchange Student Assistant	Fall 2024
Student Council (Department of Industrial and Systems Engineering)	2020 - 2021
<ul style="list-style-type: none">• Vice Representative (2020)• Vice President (2021)	