

Jiwoo Shin

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EDUCATION

Korea Advanced Institute of Science and Technology , Daejeon, South Korea B.S. in Industrial and Systems Engineering & Computer Science (Double Major) <ul style="list-style-type: none">GPA: 3.85/4.3, Major GPA: 4.02/4.32 years leave of absence for mandatory military service (10/2022 - 07/2024)	03/2019 – Present
University of Portland (UP) , Portland, OR <ul style="list-style-type: none">Exchange Student, Department of Computer Science	08/2025 – 12/2025
Chungnam Science High School , Gongju, South Korea <ul style="list-style-type: none">Early Graduation	03/2017 – 02/2019

AWARDS

Dean's List (Top 3%), KAIST ISE	Fall 2024
Honor Graduate (Rank #3 among over 1,500 trainees) , ROK Air Force Basic Military Training (Class 842)	Dec 2022
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

WORK EXPERIENCE

Spiercore Inc. , Daejeon, South Korea	12/2024 - 02/2025
<ul style="list-style-type: none">AI Research Engineer InternTask: 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
<ul style="list-style-type: none">Advisor: Prof. Il-Chul MoonResearch Topics: Training-Free Safe Image Generation in Text-to-Image Diffusion ModelsCollaboration with NAVER Corp.	
KAIST AAILab , Daejeon, South Korea	09/2024 - 12/2024
<ul style="list-style-type: none">Advisor: Prof. Il-Chul MoonResearch Topics: Retrieval-Augmented Generation (RAG)	
KAIST AAILab , Daejeon, South Korea	03/2022 - 08/2022
<ul style="list-style-type: none">Advisor: Prof. Il-Chul Moon, Ph.D. Mingi JiResearch 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)

ACTIVITIES

KAIST Buddy Program, International Exchange Student Assistant

Fall 2024

Student Council (Department of Industrial and Systems Engineering)

2020 - 2021

- Vice Representative (2020)
- Vice President (2021)