

# Jiwoo Shin

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## Education

<b>Korea Advanced Institute of Science and Technology</b> , Daejeon, South Korea B.S. in Industrial and Systems Engineering & Computer Science (Double Major) <ul style="list-style-type: none"><li>GPA: 3.85/4.3, <b>Major GPA: 4.02/4.3</b></li><li>2 years leave of absence for mandatory military service (10/2022 - 07/2024)</li></ul>	03/2019 – Present
<b>University of Portland (UP)</b> , Portland, OR <ul style="list-style-type: none"><li>Exchange Student, Department of Computer Science</li></ul>	08/2025 – 12/2025
<b>Chungnam Science High School</b> , Gongju, South Korea <ul style="list-style-type: none"><li>Early Graduation</li></ul>	03/2017 – 02/2019

## Research Experience

<b>KAIST AAILab</b> , Daejeon, South Korea <ul style="list-style-type: none"><li>Advisor: Prof. Il-Chul Moon</li><li>Research Topics: Training-Free Safe Image Generation in Text-to-Image Diffusion Models</li><li>Collaboration with <b>NAVER Corp.</b></li></ul>	03/2025 - 07/2025
<b>KAIST AAILab</b> , Daejeon, South Korea <ul style="list-style-type: none"><li>Advisor: Prof. Il-Chul Moon</li><li>Research Topics: Retrieval-Augmented Generation (RAG)</li></ul>	09/2024 - 12/2024
<b>KAIST AAILab</b> , Daejeon, South Korea <ul style="list-style-type: none"><li>Advisor: Prof. Il-Chul Moon, Ph.D. Mingi Ji</li><li>Research Topics: Knowledge Distillation, Class Imbalance</li></ul>	03/2022 - 08/2022
<b>KAIST AAILab</b> , Daejeon, South Korea <ul style="list-style-type: none"><li>Advisor: Prof. Il-Chul Moon</li><li>Research Topics: Probabilistic Deep Generative Model, NLP</li></ul>	12/2021 - 02/2022
<b>KAIST Financial Engineering Lab</b> , Daejeon, South Korea <ul style="list-style-type: none"><li>Advisor: Prof. Woo Chang Kim</li><li>Research Topics: High Frequency Trading, Reinforcement Learning</li></ul>	06/2021 - 08/2021

## Publications

[2] **Prompt-Based Safety Guidance Is Ineffective for Unlearned Text-to-Image Diffusion Models**

Jiwoo Shin, Byeonghu Na, Mina Kang, Wonhyeok Choi, Il-chul Moon

*NeurIPS 2025 Workshop on Generative and Protective AI for Content Creation.*

[1] **Training-Free Safe Text Embedding Guidance for Text-to-Image Diffusion Models**

Byeonghu Na, Mina Kang, Jiseok Kwak, Minsang Park, **Jiwoo Shin**, SeJoon Jun, Gayoung Lee, Jin-Hwa Kim, and Il-Chul Moon

*Neural Information Processing Systems (NeurIPS), 2025.*

## Industry Experience

<b>Spiercore Inc.</b> , Daejeon, South Korea <ul style="list-style-type: none"><li>AI Research Engineer Intern</li><li>Task: Predicting ADMET properties of molecules through GNN models pretrained in a multimodal setting with molecular text information</li></ul>	12/2024 - 02/2025
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## Awards

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<b>Dean's List</b> (Top 3%), KAIST ISE	Fall 2024
<b>Honor Graduate (Rank #3 among over 1,500 trainees)</b> , ROK Air Force Basic Military Training (Class 842)	Dec 2022
<b>KAIST IE Frontier</b> Encouragement Award	Nov 2022
<b>Dean's List</b> (Top 3%), KAIST ISE	Fall 2020

## Scholarships

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

## Activities

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