

Mingyu Jo

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Last Updated: May. 2026

EDUCATION

Korea Advanced Institute of Science and Technology Mar. 2026 - Present

M.S in School of Computing

Sungkyunkwan University Mar. 2022 - Feb. 2026

Total GPA: 4.40/4.5, Major GPA: 4.47/4.5, Summa Cum Laude

B.S in Computer Science and Engineering

EXPERIENCE

Intern in the Machine Learning and Mind Lab, KAIST Dec 2024 - Mar 2026
Prof. Sungjin Ahn

Intern in the efficient learning lab, Sungkyunkwan Univ. May 2024 - Dec 2024
Prof. Hankook Lee

- Developing a predictive model based on tabular industrial data with missing value
- Building a attention-based tabulator model using self-supervised learning

Industry-academic cooperation project, Sungkyunkwan Univ. Apr. 2023 - Dec. 2023
Prof. Heesun Park

- Participate in the project of construct a safe daily conversation chatbot
- Construct LLM with reinforcement learning (rlhf, dpo)

PUBLICATIONS

Generative Recursive Reasoning

Junyeob Baek*, Mingyu Jo*, Minsu Kim, Mengye Ren, Yoshua Bengio., Sungjin Ahn
Preprint

Loopholing Discrete Diffusion: Deterministic Bypass of the Sampling Wall

Mingyu Jo, Jaesik Yoon, Justin Deschenaux, Caglar Gulcehre, Sungjin Ahn
International Conference on Learning Representations (ICLR), 2026

EXTERNAL ACTIVITIES

Samsung Electronics' Dx Summer Algorithm lecture Jul. 2024 - Aug. 2024
2024 freshman python pre-training TA Feb. 2024

Samsung Electronics' Dx Winter Algorithm lecture Jan. 2023 - Feb. 2023

SKILLS

Certificate

Samsung Electronics sw test - type b Aug. 2024
Samsung Electronics sw test - type b Feb. 2023

Software Skills:

Language: C, C++, Python
AI: pytorch, huggingface transformer
Open source: Git

Language:

Korean(native),
English(Intermediate): TOEIC 850 Jan. 2025

SCHOLARSHIPS

2025 1st semester dean's list Sungkyunkwan Univ.
2024 2nd semester dean's list Sungkyunkwan Univ.
2024 Next Generation Scholars Fellowship Sungkyunkwan Univ.
2024 1st semester dean's list Sungkyunkwan Univ.

2023 Award for Open-Source SW Development Activities
2023 2nd semester dean's list
2023 1st semester dean's list

Sungkyunkwan Univ.
Sungkyunkwan Univ.
Sungkyunkwan Univ.

Military Service

3rd infantry division artillery regiment
- Artillery signalman

Feb. 2020 – Sep. 2021