

Mingu Kang

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Welcome to Mingu Kang CV!

Currently, I am an undergraduate student majoring in Applied Artificial Intelligence at Sungkyunkwan University.

Research Interest : Multi-Modal, 3D-Vision, Robot Foundation Model

Education

Sungkyunkwan University, Seoul, Republic of Korea Mar 2022 – Present
BS in Applied Artificial Intelligence
◦ GPA: 4.31/4.5 (Overall), 4.46/4.5 (Major)

Experience

Graduate School of AI at KAIST, Seoul, Republic of Korea Aug 2024 – Oct 2024
Full-time Research Intern (Advisor: Beomjoon Kim)
Intelligent Mobile Manipulation Lab. [🔗](#)
◦ Conducted research on robot planning using 3D representations and large language models.

Sungkyunkwan University, Seoul, Republic of Korea Dec 2023 – Jul 2024
Part-time Research Intern (Advisor: Yusung Kim)
Computer System Intelligence Lab. [🔗](#)
◦ Conducted research on robot foundation models using diffusion models.

Publications

DisCoRD: From Discrete Tokens to Continuous Motion via Rectified Flow Decoding [🔗](#) Nov 2024
Jungbin Cho*, Junwan Kim*, Jisoo Kim, Minseo Kim, **Mingu Kang**, Sungeun Hong†, Tae-Hyun Oh†, Youngjae Yu†
Under review at The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2025

Towards Efficient Continual Learning: Strategies on Utilizing Knowledge Distillation Loss Nov 2024
Euiseog Jeong*, **Mingu Kang***, MyeongSeop Kim*, Eunil Park†
Under review at The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2025

Examination of Efficient Strategies on Knowledge Distillation Methods in Continual Learning Oct 2024
Euiseog Jeong, **Mingu Kang**, MyeongSeop Kim, Byungjoon Lee, Eunil Park†
Korean Institute of Information Scientists and Engineers

* Equal contribution. † Corresponding author.

Honors & Awards

President's List, High Student Success Performance Jan 2025
Sungkyunkwan Univ.
◦ Selected as one of the Top 20 Students for Outstanding Achievement Across the Sungkyunkwan Univ.

Korea Water Resources Corporation President Award, AI competition Dec 2024
The 4th K-water AI Competition in 2024 : Development of an AI algorithm to detect abnormalities in the water supply network [🔗](#)

- Development of an AI model that can accurately detect the abnormal timing and leakage section of the water supply network.
- Top 0.2% (3 of 1156).

Korea Agro-Fisheries Food Trade Corporation Award, AI competition
Price Forecasting Competition Using Data · AI: Focusing on Agricultural Prices. [🔗](#)

Nov 2024

- Development of an AI model for agriculture price forecasting.
- Top 0.6% (10 of 1622).

Korea Computer Education President Award, AI Hackathon
2024 Capstone Design and AI Hackathon Competition

Oct 2024

- Development of text-to-3D motion generation model and web production for rehabilitation exercise.
- Top 2.

Hankuk University of Foreign Studies Presidential Award, AI competition
2024 SW-Centered University of Foreign Studies with Yongin City - GBT Hackathon Competition

Oct 2024

- Development of an AI model that classifies the categories of articles based on the title and text keywords of Yongin-si news.
- Top 2.

Sungkyunkwan University Artificial Intelligence Innovation and Convergence University Project Director Award, AI Hackathon
2024 Sungkyunkwan University AI Hackathon

Sep 2024

- Development of an AI model to detect illegal gambling advertisements on web pages.
- Top 2.

National Institute of Korean Language Award, AI competition
2024 National Institute of Korean Language Artificial Intelligence's Korean Language Proficiency Competition [🔗](#)

Aug 2024

- Development of an AI model to distinguish the context of conversations in a Korean large language model.
- Top 5. [🔗](#)

Minister of Science and ICT Award, AI competition
SW-Centered University Digital Competition: AI Sector

Aug 2024

- Development of an AI model to detect the fake voice of the generating AI. [🔗](#)
- Top 0.1% (1 of 896). [🔗](#)

Dean's List Award, High Scholastic Achievement
College of Computing and Informatics, Sungkyunkwan Univ

Jul 2024

- Top 1% for the fall semester 2023.

Scholarship

Presidential Science Scholarship, Engineering
President of the Republic of Korea

Feb 2024

- Selected as one of the Top 60 Countries for Developing World-Class Scientists

Excellence Performance Scholarship
AI Convergence and Open Sharing System, Sungkyunkwan Univ.

Jan 2024

- Recognized for Outstanding AI Performance.

Academic Excellence Scholarship for 2023 Fall Semester

Dec 2023

College of Computing and Informatics, Sungkyunkwan Univ.

- Achieved a 4.50/4.50 GPA for 20 Credits, Ranking in the Top 1%

Academic Excellence Scholarship for 2023 Spring Semester

Aug 2023

College of Computing and Informatics, Sungkyunkwan Univ.

- Achieved a 4.42/4.50 GPA for 18 Credits, Ranking in the Top 4%