

Mingu Kang

📍 Seoul, Republic of Korea ✉ gms5560@g.skku.edu 🌐 Mingu Kang in Mingu Kang 📀 rkdrn79

Welcome to Mingu Kang CV!

Currently, I am an undergraduate student majoring in Applied Artificial Intelligence at Sungkyunkwan University.
Research Interest : Generative Model, 3D Vision, Multi-Modal

Education

Sungkyunkwan University, Seoul, Republic of Korea *Mar 2022 – Present*
BS in Applied Artificial Intelligence
◦ GPA: 4.30/4.5 (Overall), 4.46/4.5 (Major)

Experience

Seoul Nation University, Seoul, Republic of Korea *May 2025 – Present*
Full-time Research Intern (Advisor: Joonseok Lee)
Visual Information Processing Lab. [🔗](#)
◦ Conducted research on Video Summarization using Multi-Modal.

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

Sungkyunkwan University, Suwon, 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†
International Conference on Computer Vision, ICCV 2025

Towards Efficient Class Incremental Learning: Strategies on Utilizing Knowledge Distillation Loss Nov 2024
Euiseog Jeong*, **Mingu Kang***, MyeongSeop Kim*, Eunil Park†
Pre-printing

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

Intelligent Multimedia Research Center Director's Award, AI Research

Jun 2025

Sungkyunkwan Univ. [🔗](#)

- Developed prompts and retrieval-augmented generation strategies for fair and neutral responses based on biased context and user intent.
- Top 4.

Minister of Employment and Labor Award, AI Research

Apr 2025

LG AI Research [🔗](#)

- Development of an AI model for predicting the likelihood of pregnancy success in infertile patients.
- Top 0.06% (1 of 1569).

Sungkyunkwan University brAIIn Research Program Award, AI Research

Feb 2025

Sungkyunkwan Univ.

- Conducted research on the image inpainting model, *CoReaP: Collaborative Reconstruction with Assistive Priors.* [🔗](#)
- Top 2.

President's List, High Student Success Performance *Sungkyunkwan Univ.*

Jan 2025

- Selected as one of the Top 20 Students for Outstanding Achievement Across 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

Nov 2024

Price Forecasting Competition Using Data · AI: Focusing on Agricultural Prices. [🔗](#)

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

Korea Computer Education President Award, AI Hackathon

Oct 2024

2024 Capstone Design and AI Hackathon Competition

- 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

Oct 2024

2024 SW-Centered University of Foreign Studies with Yongin City - GBT Hackathon Competition

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

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

Sep 2024

2024 Sungkyunkwan University AI Hackathon

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

- National Institute of Korean Language Award**, AI competition *Aug 2024*
2024 National Institute of Korean Language Artificial Intelligence's Korean Language Proficiency Competition [🔗](#)
- 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 *Aug 2024*
SW-Centered University Digital Competition: AI Sector
- 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 Achivement *Jul 2024*
College of Computing and Informatics, Sungkyunkwan Univ
- Top 1% for the fall semester 2023.

Scholarship

- Presidential Science Scholarship**, Engineering *Feb 2024*
President of the Republic of Korea
- Selected as one of the Top 60 Countries for Developing World-Class Scientists
- Excellence Performance Scholarship** *Jan 2024*
AI Convergence and Open Sharing System, Sungkyunkwan Univ.
- 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%