

ByeongJin Kang

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Education

Sungkyunkwan University

Mar. 2020 ~ Present

Department of Software

Bachelor Student

GPA: 4.11 / 4.5

Research Experience

Yonsei RLLAB

Jan. 2025 ~ present

- Undergraduate Research Intern (Advisor: [Youngwoon Lee](#))

SKKU CSI Lab

Jun. 2024 ~ Dec. 2024

- Undergraduate Research Intern (Advisor: [Yusung Kim](#))

- **Simulation Task:** Enhanced visual robustness of the Imitation Learning model (ACT; Action Chunking Transformer) for a single-arm robot performing an **open-door task**.
- **Real World Task:** Online Reinforcement Learning with offline data (RLPD) to enable a dual-arm robot to perform a **complex cable-connecting task** (long-horizontal, multi-goal task)

Experience

sLLM Project ([GitHub Link](#))

- Developed an architecture for small language models (500M-9B) capable of summarizing long texts (30k-60k characters; over 5k tokens)
- Led the team as project **leader**, contributing to **core idea development**, implementations, presentations

SKKU AI Club

- Studied AI neural network architectures
- Reviewed & Presented research papers

SKKU Global Capstone Design (English)

- Presented an AI project at Victoria University of Wellington, New Zealand

SKKU Global Challenge Program (English)

- Conducted industry visits and interviews with professionals from big-tech companies and academic researchers in Seattle (USA) and Vancouver (Canada)
- Collaborated with CS students at the University of British Columbia (UBC)

Skills

Programming Languages:

- C, C++, Python(Pytorch, Numpy), Java, Kotlin; proficient
- Python(JAX, Flax); experienced by implementing RLPD

Machine Learning: Reinforcement Learning, Computer Vision

Languages: Korean, English