

HOKYUN IM

✉ jellyho@yonsei.ac.kr 🏠 <https://jellyho.github.io/>

EDUCATION

Yonsei University

MS/PhD in Artificial Intelligence

Starting from Mar 2025

Seoul, South Korea

Yonsei University

B.S. in Electrical & Electronic Engineering

GPA: 3.95 / 4.30 (Cumulative), 3.97 / 4.30 (Major)

2019 - 2024

Seoul, South Korea

RESEARCH INTERESTS

My current research interest is in developing generalizable robot policies by (1) utilizing internet-scale knowledge, (2) learning a broad range of behaviors and skill representations, and (3) improving them using reinforcement learning (RL). Specifically, my interests include:

- Vision-Language-Action models
- Behavioral cloning (BC) using generative models
- Unsupervised skill extraction
- Offline & Online fine-tuning of BC policies

AWARDS

- **1st Place**, 2024 AI Drone Challenge Apr 2024 - May 2024
Awarded by Governor of Jeju Province.
Task: Indoor drone navigation by avoiding obstacles, capturing photos of designated objects, and reaching the destination.
- **2nd Place**, 2023 Korea Robot-Aircraft Competition Nov 2022 - Sep 2023
Awarded by Korean Ministry of Trade, Industry and Energy
Task: Fully autonomous outdoor drone navigation using GPS to travel long distances, avoid obstacles, reach the destination to deliver items, and return safely.

EXPERIENCE

Research Intern

Yonsei University ([Advisor: Prof. Youngwoon Lee](#))

Jul 2024 - Present

- Researched and developed a generalist policy for bimanual manipulation by integrating two generalist single-arm policies and enabling communication between them through *joint self-attention*.
- Developed a dexterous bimanual robot simulation to test both specialist and generalist bimanual policies.

Research Intern

Yonsei University ([Advisor: Prof. Jongeun Choi](#))

Apr 2024 - Jun 2024

- Researched and developed a Behavior Transformer that autoregressively generates coarse-to-fine tokens for action generation, inspired by VAR.
- Set up robot manipulation environments from scratch and applied them to 3D Diffusion Policy and SE(3)-Equivariant model experiments.

Research Intern

KAIST ([Advisor: Prof. Joseph J.Lim](#))

Jan 2024 - Mar 2024

- Researched and analyzed reasoning gaps in the robotics decision-making process and proposed benchmarks for subgoal prediction in goal-conditioned behavioral cloning.