

Yoonsang Oh

5yoondori@kaist.ac.kr

yoonsangoh.github.io

GitHub | LinkedIn

Research Interests

My research interests lie in robot learning, particularly in using generative models to help robots acquire useful skills. I am interested in developing reinforcement learning methods that improve policies based on diffusion and flow models through data and interaction, with an emphasis on stable, efficient learning and adaptation to new tasks.

Education

- 2026.09 - Present **Korea Advanced Institute of Science and Technology (KAIST)**
M.S. in Artificial Intelligence (in progress)
Advised by Prof. Jaegul Choo.
- 2020.03 - 2026.08 **Seoul National University**
B.S. in Industrial Engineering (GPA: 3.7/4.3)
Graduated as cum laude.

Research

2026



FlashDexRetarget: Accelerating Dexterous Manipulation Data Generation through Multi-Motion Retargeting

Kyungmin Lee*, Sibeon Kim*, Dongyoon Hwang*, **Yoonsang Oh***, Donghu Kim, Youngdo Lee, I Made Aswin Nahrendra, Jaegul Choo†, Hojoon Lee†

* Equal contribution; † Corresponding author

A multi-motion retargeting framework that converts human hand-object demonstrations into physically grounded robot manipulation trajectories using a shared reinforcement learning policy.

[Project page](#) | [Paper](#) | [Video](#)
