

Jusuk Lee

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Education

Seoul National University

M.S. & Ph.D. student in Aerospace Engineering

Mar 2024 – Present

Seoul, Korea

Yonsei University

B.S. in Mechanical Engineering

Mar 2017 – Feb 2024

Seoul, Korea

Publications and Preprints

(*: equal contribution; †: equal advising)

1. Seungjae Lee*, Yoonkyo Jung*, **Jusuk Lee**, Jonghun Shin, Amir Hossein Shahidzadeh, Yao-Chih Lee, H. Jin Kim, Jia-Bin Huang†, Furong Huang†
 μ_0 : A Scalable 3D Interaction-Trace World Model
Preprint
2. **Jusuk Lee**, Seungjae Lee, Jonghun Shin, Hoseong Jung, Sungha Kim, Daesol Cho, H. Jin Kim, Jia-Bin Huang†, Furong Huang†
DynaFLIP: Rethinking Robotics Perception via Tri-Modal-Dynamics Guided Representation
Preprint
3. Sungha Kim*, Gawon Lee*, **Jusuk Lee**, Jonghae Park, H. Jin Kim, Daesol Cho
FLAG: Flow Policy MaxEnt-RL by Latent Augmented Guidance
Preprint
4. **Jusuk Lee**, Daesol Cho, Jonghun Shin, Seungyeon Yoo, Jonghae Park, Taekbeom Lee, H. Jin Kim
BooST: Bridging Semantics and Motions for Efficient Skill Transfer
Preprint; Conference on Robot Learning (CoRL) Workshop, 2025
5. Jonghae Park, Daesol Cho, **Jusuk Lee**, Dongseok Shim, Inkyu Jang, H. Jin Kim
Periodic Skill Discovery
Neural Information Processing Systems (NeurIPS), 2025
6. Dahyun Oh, Yongjae Lim, Hoseong Jung, Jeongtae Hug, **Jusuk Lee**, Changhyun Choi, H. Jin Kim
A Survey on Collision Avoidance Algorithms for Multi-robot Systems
International Journal of Control, Automation and Systems, 2025

Projects

Intelligent Robot Navigation with Efficient LLM Interaction, Long-Term Consistency, and Location-Specific Expertise

RESEARCHER

Samsung Electronics, SNU

Development of AI tank crews based on deep reinforcement learning

RESEARCHER
Agency for Defense Development, SNU

Talks

Samsung Research — *Toward Dynamics-Aware Encoders* Jun 2026

Honors and Awards

Scholarships

Academic Excellence Scholarship, Yonsei University 2022
Academic Excellence Scholarship, Yonsei University 2021

Awards

2nd Place, 21st Korean Aerospace Aircraft Competition 2023

Services

Teaching

Instructor, *Reinforcement Learning* — Seoul AI Hub (2025)
Instructor, *Reinforcement Learning* — AI Boosting Camp (AIBC), Hyundai Motors & LG Group (2025)