

Seongsu Kim

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<https://sseongsukim.github.io/>

RESEARCH INTERESTS

My research goal is to enable robot to solve diverse, complex, and long-horizon tasks by using prior knowledge and data. Particularly, I focus on designing general-purpose agents that effectively utilize data to enhance the decision-making process. My research interests include offline RL, model-based RL, goal-conditioned RL, and sequence modeling.

EDUCATION

Hanyang University

M.S. in Electrical Engineering (Advisor: [Jun Moon](#))

Thesis: “*Model-based Learning to achieve goals using offline data*”

Feb 2023 - Feb 2025

GPA: 4.33/4.5

Dongyang Mirae University

B.S. in Automation Engineering (2nd)

Leave of absence for military service: Aug. 2017 - May. 2019

Feb 2017 - Feb 2023

GPA: 4.29/4.5

SCHOLARSHIPS AND AWARDS

Scholarships

- Academic Excellence Scholarship

Spring 2020 - Fall 2021

Awards

- Outstanding Award at the Graduation Exhibition

Fall 2020

CONFERENCE PAPERS

- [C1] **Seongsu Kim** and Jun Moon. Offline Goal-conditioned Model-based Reinforcement Learning in Pixel-based Environment, *International Conference on ICT Convergence*, 2024

SKILLS AND CLASSES

Programming Language: Python, C, MATLAB, SolidWorks, AutoCAD

Tools: JAX/Flax, Pytorch, MuJoCo, IsaacGym, Isaac-sim, ROS, Git

Robots: Husky, Franka, Allegro hand, Doosan manipulator

Language: Korean(Native), English(Proficient)

Classes: Deep Reinforcement Learning([CS285](#)), Robotics, Artificial Intelligence, Control Engineering, Advanced Machine Learning, Optimization, Random Processes, Robot Learning, Robot and Probabilistics, Autonomous Driving