Changwoo Yoo

Github | LinkedIn | Website | cwyoo01@korea.ac.kr

Research Interests

My research goal is to develop generalizable robots using deep neural networks. Toward this goal, I am focusing on developing deep reinforcement learning algorithms for robotics with the following topics:

- Skill-based Reinforcement Learning
- Robotics with language prior
- Offline Reinforcement Learning
- World models

Education

Korea University 2020.03 - Current
B.S. in Computer Science and Engineering *Seoul, South Korea*
GPA: 4.05/4.50 (major 4.20/4.50)

Experience

RLLAB, Yonsei University Jan 2026 - Current
Research Intern (Advisor: Youngwoon Lee)

RILAB, Korea University Mar 2025 - Nov 2025
Research Intern (Advisor: Kyungjae Lee)

UTL Lab, Korea University Jan 2025 - Mar 2025
Research Intern (Advisor: Donghyun Kim)

Google for Developers Maching Learning Bootcamp 2024 Jul 2024 - Oct 2024
5th cohort member

Work Experience

Bravemobile (Soomgo) Dec 2022 - Jan 2025
Software Engineer (Alternative Military Service)

Nudge Healthcare (Cashwalk) Aug 2022 - Oct 2022
Backend Engineer

Publication

*: 1st co-authors, †: corresponding authors, C: conferences, J: journals, W: workshops, P: preprints

2025

[**P1**] *Learning Social Navigation from Positive and Negative Demonstrations and Rule-Based Specifications.* **Under Review**, 2025.

Extracurricular Activities

AIKU (AI @Korea University) Jan 2025 - Current
5th cohort member

Google Student Ambassador Aug 2025 - Dec 2025

1st cohort member

KWEB (Korea University Web Master) Aug 2021 - Jan 2024

President (Spring 2023) & Vice President (Fall 2022)

Projects

KWEB Official Website Project link

Team Lead, Full-stack developer

KLUE (Korea Univ Lecture Evaluation system) Project link

Full-stack developer for the Admin Dashboard

KLUB (Korea Univ Club) Project link

DevOps Engineer

Skills

Programming Skills	C, Python, Pytorch, Mujoco and Gymnasium etc.
Language	Korean (Native proficiency), English (Professional proficiency)

Last updated: January 4, 2026