

Chanyeok Choi

55, Hanyangdaehak-ro, Sangnok-gu
Ansan, Gyeonggi-do, Korea

angledsugar@hanyang.ac.kr

[angledsugar.github.io](https://github.com/angledsugar)

RESEARCH INTERESTS

My research goal is to enable robots to recognize when their learned policies are beginning to fail and intervene before errors become irreversible. I focus on safe and generalizable robot learning through self-supervised critical-phase detection, lightweight refinement of vision-language-action policies, robust multi-agent reinforcement learning, and sim-to-real transfer.

EDUCATION

Hanyang University Feb 2022 - Current
M.S in Applied Artificial Intelligence (Advisor: [Youngmoon Lee](#))

Hanyang University Feb 2018 - Feb 2022
B.S. in Robotics (Advisor: [Youngmoon Lee](#))

CONFERENCE PAPERS

- [C3] Niaz Ahmad, Saif Ullah, Jawad Khan, **Chanyeok Choi**, and Youngmoon Lee.
HAPtics: Human Action Prediction in Real-time via Pose Kinematics,
International Conference on Pattern Recognition 2024

- [C2] Hojun Choi, **Chanyeok Choi**, and Youngmoon Lee.
Causes and Fixes of Unexpected Drone Shutoffs,
Proceedings of the 29th ACM/IEEE International Symposium on Low Power Electronics and Design 2024

- [C1] Jawad Khan, Niaz Ahmad, **Chanyeok Choi**, Saif Ullah, Gyurin Kim, and Youngmoon Lee.
Ssk-dnn : Semantic and sentiment knowledge for incremental text sentiment classification,
2023 IEEE International Conference on Data Mining Workshops (ICDMW) 2023

TECHNICAL REPORTS

- [T1] **Chanyeok Choi**, Jeonghan Kim, Yunjae Nam, and Youngmoon Lee.
Snapbot : Enabling Dynamic Human Robot Interactions for Real-Time Computational Photography,
Companion Proceedings of the 2024 ACM/IEEE International Conference on Human-Robot Interaction 2024

WORK EXPERIENCE

Real-Time Computing Laboratory, University of Michigan Jun 2026 - Aug 2026
Visiting Research Student Ann Arbor, MI, USA
Research on self-supervised critical phase detection for vision-language-action policy refinement under the supervision of Prof. Kang G. Shin

D-DDeck <i>Principal Researcher</i> Research in F&B autonomous robot and deep reinforcement learning	Feb 2024 - Sep 2025
Korea Institute of Industrial Technology <i>Research Intern</i> Research in artificial intelligence to detect defective product on high-speed conveyor belt	Feb 2021 - Aug 2021
CAI Lab - Hanyang University <i>Research Intern</i> Research in furniture assembly collaborative robot and deep reinforcement learning	Feb 2019 - Feb 2021

TEACHING

Teaching Assistant

- Hanyang [ROB4015](#): Robot Learning Spring 2022-2023
- Hanyang [ROB4007](#): Robot Vision system Fall 2022-2023, 2025

HONORS AND AWARDS

SW Talent Festival 2nd place - Information and Communication Planning and Evaluation President Award	2023
Capstone Design 3rd place	2021