Dohyeok Lee Contact: dohyeoklee.kr@gmail.com

Personal Webpage: dohyeoklee.github.io update: 2024.01.08

Education

Seoul National University(SNU), Seoul, Korea
Ph.D. Candidate in Electrical and Computer Engineering, Advisor: Jungwoo Lee
Research topic: Robot Learning, RL, LfD

Seoul National University(SNU), Seoul, Korea
M.S. in Electrical and Computer Engineering, 2024, Advisor: Jungwoo Lee

Korea Advanced Institute of Science and Technology(KAIST), Daejeon, Korea
B.S. in Electrical Engineering, 2020

Publication & Conference

[IC2] SPQR: Controlling Q-ensemble Independence with Spiked Random Model for Reinforcement Learning, **NeurIPS 2023**
Author: **Dohyeok Lee**, Seungyub Han, Taehyun Cho, Jungwoo Lee

[D1] ARTificial Expressions: Human-Robot Interactive Drawing, **CVPR 2023 Demo (Best Demo Awarded)**
Author: Yejin Kim, **Dohyeok Lee**

[IC1] Control of Furuta Pendulum with Reinforcement Learning, ICCAS 2019
Author: **Dohyeok Lee**, Usama Mohammad, Dong Eui Chang

*IC: International Conference, *D: Demo

Selected Experience

[W] Part-time Engineer [5m] 07/2021 to 11/2021
Zer01ne (Hyundai Motor Company)
- Developing AR system integrating robot Spot with Unity, ROS

[W] Robotics Engineer [7m] 10/2020 to 04/2021
D.Hive (start-up)
- Developing autonomous delivery robot

[W] Robotics Engineer Intern [3m] 06/2019 to 08/2019
Crazing Lab (start-up)
- Developing autonomous filming robot

[DC] Isometric regularization for high-level actions on dynamic-aware embeddings
KICS Winter Conference 2023
- Author: Taehyun Cho, **Dohyeok Lee**, Jungwoo Lee

[O] Nonlinear controller (★19)
- Implement nonlinear control (robust, adaptive, sliding mode) algorithms on two-arm manipulator simulator

[P] Autonomous Mobile Robot
Microrobot Research, KAIST
- Developing autonomous mobile robot with YOLO, Tmap API, GPS and compass sensor, etc.

[R] Project Intern [3m] 06/2018 to 08/2018
Robotics and Computer Vision Lab, KAIST
- Developing 3D box fitting algorithm for given point cloud data, collabolation with Hubo lab

*DC: Domestic Conference, *O: Open Source Contribution, *P: Personal Project, *W: Work Experience, *R: Research Project