

# Keonyoung Koh

Korea Advanced Institute of Science and Technology

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## EDUCATION

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### M.S. in School of Computing

2024 – Present

*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea*

Advisor: Prof. Daehyung Park

- GPA: 4.10

### B.S. in Department of Mechanical Engineering

2019 – 2024

*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea*

B.S. in Mechanical Engineering & School of Computing (Double major)

- GPA: 3.76 / Major GPA: 3.80

## RESEARCH INTEREST

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- Imitation Learning for Real-world Navigation and Manipulation
- Mobile Manipulation

## RESEARCH EXPERIENCE

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### RIRO Lab, *School of Computing, KAIST*

2024 – Present

- Advisor: Prof. Daehyung Park
- Researching constraint-aware mobile manipulation

### RIRO Lab, *School of Computing, KAIST*

2023 – 2024

- Advisor: Prof. Daehyung Park
- Undergraduate Research Program (URP)
- Researched about semantic SLAM and quadrupedal robot navigation

### Angel Robotics, *Seoul, South Korea*

Mar. – Aug. 2022

- Undergraduate internship as part of Co-op program
- Designed adaptive controller for parameter estimation of lower limb exoskeleton robot

## PUBLICATIONS

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**Keonyoung Koh** et al, 2024. *A Real-World Based 3D Simulation and Robotic Framework for Semantic-Aware Outdoor Navigation*. Korea Robotics Society Annual Conference (KRoC) [Under Review]

**Keonyoung Koh** et al, 2024. *SuReNav: Superpixel Graph-based Constraint Relaxation for Navigation in Over-constrained Environments*. International Conference on Robotics and Automation (ICRA) [Under Review]

Jinwoo Kim\*, **Keonyoung Koh\*** et al, 2024. *Reactive Constraint Relaxation for Urban Environment Navigation*. International Conference on Robot Intelligence Technology and Applications (RiTA) [Best Student Paper Award]

## HONORS AND AWARDS

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<b>Best Student Paper Award</b> , RiTA	2024
<b>Cum Laude</b> , KAIST (Graduation Honor)	2024
<b>ME Academic Excellence Award</b> , Department of Mechanical Engineering, KAIST	2021
<b>Dean's List</b> , KAIST	2019