

Keonyoung Koh

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EDUCATION

- 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

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

RESEARCH EXPERIENCE

- 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

- 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

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