

# TAEGEUN YANG

Graduate Student

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## SUMMARY

Hello, I am Taeguen Yang, a Ph.D candidate at the SGVR lab, KAIST. My research area is in robotics, with a focus on the interaction between robots and their environments.

Research Interest: Robotics, Reinforcement Learning, Vision-Language-Action(VLA) Model

## EDUCATION

3/2017 - 3/2019	<b>Gyeonggibuk Science High School</b>	High School Student
3/2019 - 3/2023	<b>Korea Advanced Institute of Science and Technology</b> Major in Electrical Engineering (EE)	Undergraduate Student
3/2023 - 3/2025	<b>Korea Advanced Institute of Science and Technology</b> Major in Computer Science (CS), GPA: 3.95/4.3 SGVR Lab - Advisor: Sung-Eui Yoon <a href="https://sgvr.kaist.ac.kr/">https://sgvr.kaist.ac.kr/</a> <b>Thesis:</b> Hierarchical Reinforcement Learning for Efficient Navigation Among Movable Obstacles using Mobile Manipulator	Master's Program
3/2025 -	<b>Korea Advanced Institute of Science and Technology</b> Major in Computer Science (CS) SGVR Lab - Advisor: Sung-Eui Yoon <a href="https://sgvr.kaist.ac.kr/">https://sgvr.kaist.ac.kr/</a>	Doctoral Program

## PAPERS

1/2024	<b>Manipulator-Assisted Navigation Among Movable Obstacles using Learned Robot-Obstacle Kinodynamics Model</b> Taegeun Yang, Minsung Yoon, Sung-Eui Yoon Poster Presentation	KROC 2024
3/2024	<b>Analysis of Terrain-Aware Optimal Path Planning Methods for Stable Off-Road Navigation</b> Minsung Yoon, Taegeun Yang, Chanmi Lee, Hyunsik Son, Sung-Eui Yoon Oral Presentation	IV 2024 WS
4/2024	<b>Navigation Among Movable Obstacles with Mobile Manipulator using Learned Robot-Obstacle Interaction Model</b> Taegeun Yang, Minsung Yoon, Jeil Jeong, Sung-Eui Yoon Poster Presentation	ICRA 2024 WS
6/2025	<b>Efficient Navigation Among Movable Obstacles using a Mobile Manipulator via Hierarchical Policy Learning</b> Taegeun Yang, Jiwoo Hwang, Jeil Jeong, Minsung Yoon, Sung-Eui Yoon Oral Presentation	IROS 2025

## EXPERIENCE

3/2022 - 8/2022	<b>InBody Internship</b> • Future Technology Research Team	Company
3/2023 - 6/2023	<b>Teaching Assistant</b> • Maching Learning (CS376)	KAIST
9/2023 - 12/2023	<b>Teaching Assistant</b> • Computer Organization (CS311)	KAIST

## AWARDS

2021 Fall	<b>Dean's List</b> Named to dean's list for academic excellence at KAIST EE	KAIST
2021 Fall	<b>Departmental Honors Scholar (2nd place)</b> Selected as a departmental honor scholar for academic excellence at KAIST EE	KAIST