

Jihun Kim

PhD candidate in KAIST
Advisor: Kuk-Jin Yoon

Email: jihun1998@kaist.ac.kr
Mobile: +82-10-4520-8846
291 Daehak-ro, Yuseong-gu, Daejeon 34141

PERSONAL DATA

- **Birth / Nationality:** 6th January, 1998 / Republic of Korea
- **Language:** Korean(First language), English

EDUCATION

- **Korea Advance Institute of Science and Technology (KAIST)** Daejeon, South Korea
PhD candidate in Mechanical Engineering (GPA: 4.15/4.3) March 2023 - Present
Advisor: Kuk-Jin Yoon
- **Korea Advance Institute of Science and Technology (KAIST)** Daejeon, South Korea
MS in Mechanical Engineering (GPA: 4.21/4.3) September 2021 - February 2023
Advisor: Kuk-Jin Yoon
- **Korea Advance Institute of Science and Technology (KAIST)** Daejeon, South Korea
BS in Mechanical Engineering Double major in School of Computing (GPA: 3.90/4.3) March 2017 - August 2021
- **Gwangju Science Academy for the Gifted** Gwangju, South Korea
Graduation March 2014 - February 2017

RESEARCH INTEREST

- **Computer Vision and Deep Learning**
 - Point Cloud, LiDAR
 - Data Completion
 - Semantic Segmentation
 - Weakly/Unsupervised Learning
 - Domain/Test-time Adaptation
 - Vision Foundation Model

PUBLICATIONS

- **Jihun Kim***, Hoyong Kwon*, Hyeokjun Kwon*, Woosong Jeong, and Kuk-Jin Yoon, "DC-TTA: Divide-and-Conquer Framework for Test-Time Adaptation of Interactive Segmentation," International Conference on Computer Vision, ICCV 2025.
- Hyunkurl Jang*, **Jihun Kim***, Hyeokjun Kwon*, and Kuk-Jin Yoon, "TALoS: Enhancing Semantic Scene Completion via Test-time Adaptation on the Line of Sight," Thirty-Eighth Annual Conference on Neural Information Processing Systems (NIPS), 2024. (*: Equal Contribution)
- Yunseo Yang*, **Jihun Kim***, and Kuk-Jin Yoon, "Syn-to-Real Domain Adaptation for Point Cloud 001 002 Completion via Part-based Approach," The 18th European Conference on Computer Vision (ECCV), 2024. (*: Equal Contribution)
- Hyeokjun Kwon*, **Jihun Kim***, and Kuk-Jin Yoon, "Weakly Supervised Point Cloud Semantic Segmentation via Artificial Oracle," Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024. (*: Equal Contribution)
- **Jihun Kim**, Hyeokjun Kwon, Yunseo Yang, and Kuk-Jin Yoon, "Learning Point Cloud Completion without Complete Point Clouds: A Pose-aware Approach," 2023 IEEE/CVF International Conference on Computer Vision (ICCV), 2023.

PROJECTS

- Autonomous ship collision and accident prevention situation awareness system 2021 - 2022
- Surround view depth estimation for autonomous vehicle systems 2023 - 2024
- Unmanned Swarm CPS Research Laboratory Program of Defense Acquisition Program 2024 - 2025
- Development of Automated Particle Analysis Technology Using SEM Images of Cathode Materials 2025 - 2025

HONORS AND AWARDS

- Dean's List, KAIST 2017
- Magna Cum Laude, KAIST 2021
- Lab Leader Student, Visual Intelligence Lab, KAIST 2025