

Hoyong Kwon

PhD student in KAIST

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PERSONAL DATA

- **Birth / Nationality:** 15th March, 2001 / Republic of Korea
- **Language:** Korean(First language), English

EDUCATION

- **Korea Advance Institute of Science and Technology (KAIST)** Daejeon, South Korea
PhD student in The Robotics Program March 2025 - Present
Advisor: Kuk-Jin Yoon
- **Korea Advance Institute of Science and Technology (KAIST)** Daejeon, South Korea
MS in Kim Jaechul Graduate School of AI (GPA: 3.95/4.3) September 2023 - February 2025
Advisor: Kuk-Jin Yoon
- **Korea Advance Institute of Science and Technology (KAIST)** Daejeon, South Korea
BS in School of Computing (GPA: 3.91/4.3) March 2019 - August 2023
- **Incheon Science High School** Incheon, South Korea
Early graduation March 2017 - February 2019

RESEARCH INTEREST

- **Computer Vision and Deep Learning**
 - Representation Learning
 - Semi/Weakly/Self-supervised Learning
 - Semantic Segmentation
 - Generative Model

PUBLICATIONS

- Jihun Kim*, **Hoyong Kwon***, Hyeokjun Kweon*, Wooseong 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. (*: Equal Contribution)
- **Hoyong Kwon**, Jaeseok Jeong, Sung-Hoon Yoon, and Kuk-Jin Yoon, “Phase Concentration and Shortcut Suppression for Weakly Supervised Semantic Segmentation,” European Conference on Computer Vision (ECCV), 2024.
- Sung-Hoon Yoon, **Hoyong Kwon***, Jaeseok Jeong*, Daehee Park, and Kuk-Jin Yoon, “Diffusion-Guided Weakly Supervised Semantic Segmentation,” The European Conference on Computer Vision (ECCV), 2024.
(*: Equal Contribution)
- Sung-Hoon Yoon, **Hoyong Kwon**, Hyeonseong Kim, and Kuk-Jin Yoon, “Class Tokens Infusion for Weakly Supervised Semantic Segmentation,” IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024.

RESEARCH EXPERIENCES

- **Project Leader** March 2025 - Present
 - “Development of Mobility and Connectivity Platform for Unmanned Autonomous Delivery”
 - Funded by Korea Government (The Ministry of Trade, Industry & Energy, MOTIE)
- **Project Member** January 2024 - February 2025
 - “Development of Mobility and Connectivity Platform for Unmanned Autonomous Delivery”
 - Funded by Korea Government (The Ministry of Trade, Industry & Energy, MOTIE)
- **Internship** March 2022 - August 2022
 - “KAIST School of Computing Co-op Internship in NCSOFT Vision AI Lab Recognition Team”

SERVE AS REVIEWER

- NeurIPS25, AAAI26, IEEE Transactions on Multimedia

HONORS AND AWARDS

- Magna Cum Laude, KAIST 2023
- National Science & Technology Scholarship, Korea Student Aid Foundation 2021 - 2022
- Dean's List, KAIST College of Engineering 2020 Spring