

# Youngtaek Oh

PhD Student, Electrical Engineering, KAIST.

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Webpage: <https://ytaek-oh.github.io>

## RESEARCH INTEREST

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My research aims to effectively train deep neural networks under limited labels and data, such as long-tailed/biased labels and unlabeled data. In addition, my research interests include language-inspired perceptions in Vision-Language models to bridge the gap between closed training environments and the open-world.

## EDUCATION

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<b>Korea Advanced Institute of Science and Technology (KAIST)</b> Ph.D. in Electrical Engineering; Co-advisors: In So Kweon and Junmo Kim	Daejeon, South Korea Sep. 2021 – Present
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> M.S. in Electrical Engineering; Advisor: In So Kweon	Daejeon, South Korea Mar. 2019 – Feb. 2021
<b>Korea University</b> B.S. in Electrical Engineering; GPA: 4.40/4.5	Seoul, South Korea Mar. 2015 – Feb. 2019

## WORK EXPERIENCE

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<b>Korea Advanced Institute of Science and Technology (KAIST)</b> Researcher, Robotics and Computer Vision Lab.	Daejeon, South Korea Mar. 2021 - Aug. 2021
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## PUBLICATION

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### International Conferences

Self-Sufficient Framework for Continuous Sign Language Recognition.

*Youngjoon Jang, **Youngtaek Oh**, Jae Won Cho, Myungchul Kim, Dong-Jin Kim, In So Kweon, Joon Son Chung*  
◦ *International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2023.

Signing Outside the Studio: Benchmarking Background Robustness for Continuous Sign Language Recognition.

*Youngjoon Jang, **Youngtaek Oh**, Jae Won Cho, Dong-Jin Kim, Joon Son Chung, In So Kweon*  
◦ *British Machine Vision Conference (BMVC)*, 2022.

DASO: Distribution-Aware Semantics-Oriented Pseudo-label for Imbalanced Semi-Supervised Learning.

***Youngtaek Oh**, Dong-Jin Kim, In So Kweon*  
◦ *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022.  
◦ Also presented at CVPR Workshop (L3D-IVU, 2022).

KSL-Guide: A Large-scale Korean Sign Language Dataset Including Interrogative Sentences for Guiding the Deaf and Hard-of-Hearing.

*Soomin Ham, Kibaek Park, Youngjoon Jang, **Youngtaek Oh**, Seokmin Yun, Sukwon Yoon, Chang Jo Kim, Han-Mu Park, In So Kweon*  
◦ *International Conference on Automatic Face and Gesture Recognition (FG)*, 2021.

SideGuide: A Large-scale Sidewalk Dataset for Guiding Impaired People.

*Kibaek Park\*, **Youngtaek Oh**\*, Soomin Ham\*, Kyungdon Joo\*, Hyokyung Kim, Hyoyoung Kum, In So Kweon*  
◦ *International Conference on Intelligent Robots and Systems (IROS)*, 2020.

## ACADEMIC SERVICE

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### Conference Reviewer

International Conference on Computer Vision (ICCV)	2023
European Conference on Computer Vision (ECCV)	2022
Conference on Computer Vision and Pattern Recognition (CVPR)	2022–2023

## HONORS AND AWARDS

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Finalist, Qualcomm Innovation Fellowship Korea	Nov. 2022
Outstanding reviewer at ECCV 2022	Oct. 2022
National Scholarship for Science and Engineering	Mar. 2017 - Feb. 2019

## TEACHING

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### Teaching Assistance (TA) at EE, KAIST

EE735: Computer Vision (Fall, 2020)  
EE898: Advanced Topics in Deep Learning for Robotics and Computer Vision (Spring, 2020)  
EE405: Electronics Design Lab (Fall, 2019)