

Youngmin Oh

PhD student in the Computer Vision Lab at Yonsei University

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Google Scholar: [Link](#)

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RESEARCH INTERESTS

Machine Learning and Computer Vision

- Vision & Language Models
- Data-Efficient Learning (*e.g.*, Weakly-Supervised Learning, Few-/Zero-Shot Learning, and Continual Learning)
- Semantic Segmentation
- Neural Architecture Search

EDUCATION

Yonsei University (Mar. 2019 – Present)

Ph.D. student

Advisor: Prof. Bumsub Ham

Yonsei University (Mar. 2013 – Feb. 2019)

B.S. in Electrical and Electronic Engineering

PUBLICATIONS

* indicates equal contribution.

- Hyekang Park, Jongyoun Noh, **Youngmin Oh**, Donghyeon Baek, Bumsub Ham, “ACLS: Adaptive and Conditional Label Smoothing for Network Calibration”, *IEEE International Conference on Computer Vision (ICCV)*, 2023. (Oral)
- Youngmin Oh**, Donghyeon Baek, Bumsub Ham, “ALIFE: Adaptive Logit Regularizer and Feature Replay for Incremental Semantic Segmentation”, *Conference on Neural Information Processing Systems (NeurIPS)*, 2022.
- Donghyeon Baek, **Youngmin Oh**, Sanghoon Lee, Junghyup Lee, Bumsub Ham, “Decomposed Knowledge Distillation for Class-Incremental Semantic Segmentation”, *Conference on Neural Information Processing Systems (NeurIPS)*, 2022.
- Sanghoon Lee, **Youngmin Oh**, Donghyeon Baek, Junghyup Lee, Bumsub Ham, “OIMNet++: Prototypical Normalization and Localization-aware Learning for Person Search”, *European Conference on Computer Vision (ECCV)*, 2022.
- Donghyeon Baek*, **Youngmin Oh***, Bumsub Ham, “Exploiting a Joint Embedding Space for Generalized Zero-Shot Semantic Segmentation”, *IEEE International Conference on Computer Vision (ICCV)*, 2021.
- Youngmin Oh**, Beomjun Kim, Bumsub Ham, “Background-Aware Pooling and Noise-Aware Loss for Weakly-Supervised Semantic Segmentation”, *IEEE Computer Vision and Pattern Recognition (CVPR)*, 2021.

EXPERIENCES

- Industry

NEC Labs, San Jose, CA (Jun. 2023 – Sep. 2023)
Research Intern (Mentor: Yumin Suh)

- Peer-review Activities

CVPR 2020,2021,2023
ECCV 2020
ICCV 2019,2021,2023
NeurIPS 2020,2021,2022
AAAI 2022
PAMI 2022
IJCV 2020,2021,2022

- **Teaching Assistant**

Deep Learning Lab (2022-1)

Signal Processing Lab (2020-1)

Data Structure and Algorithms (2019-1)

Engineering Information Processing (2018-2)

PROJECTS

**Development of Fundamental Technology and Integrated Solution
for Next-Generation Automatic Artificial Intelligence System**

(Apr. 2022 – Present)

Institute for Information & Communications Technology Promotion (IITP)

**FlexNet: Overcoming Limitations of Deep Learning
for Flexible Semantic Image Segmentation**

(Sep. 2019 – Feb. 2022)

National Research Foundation of Korea (NRF)