

Junghun Oh

CONTACT INFORMATION

Affiliation: Department of ECE, ASRI, Seoul National University (SNU), Seoul Korea

Address: 1 Gwanak-ro 133-508, Gwanak-gu, Seoul, Korea, 08826

Email: dh6dh(at)snu.ac.kr, dhwjdgns1002(at)gmail.com

Github: <https://github.com/JungHunOh>

Homepage: <https://junghunoh.github.io>

Google scholar: [link](#)

EDUCATION

Integrated **Ph.D.** program in Department of ECE

Mar. 2020 – Present

Seoul National University (SNU), Seoul, Korea

Advisor: Kyoung Mu Lee

B.S. in Department of ECE

Mar. 2016 - Feb. 2020

Seoul National University (SNU), Seoul, Korea

PUBLICATIONS

- Jaeha Kim, **Junghun Oh**, and Kyoung Mu Lee, "Exploiting Diffusion Prior for Task-driven Image Restoration", In International Conference on Computer Vision (**ICCV**), 2025.
- **Junghun Oh**, Sungyong Baik, and Kyoung Mu Lee, "Find A Winning Sign: Sign Is All We Need to Win the Lottery", In International Conference on Learning Representations (**ICLR**), 2025.
- Cheeun Hong*, Sungyong Baik*, **Junghun Oh**, and Kyoung Mu Lee, "Difficulty, Diversity, and Plausibility: Dynamic Data-Free Quantization", In Winter Conference on Applications of Computer Vision (**WACV**), 2025.
- **Junghun Oh***, Sungyong Baik*, and Kyoung Mu Lee, "CLOSER: Towards Better Representation Learning for Few-Shot Class-Incremental Learning", In European Conference on Computer Vision (**ECCV**), 2024.
- Jaeha Kim, **Junghun Oh**, and Kyoung Mu Lee, "Beyond Image Super-Resolution for Image Recognition with Task-Driven Perceptual Loss", In Computer Vision and Pattern Recognition (**CVPR**), 2024.
- **Junghun Oh**, Heewon Kim, Seungjun Nah, Cheeun Hong, Jonghyun Choi, and Kyoung Mu Lee, "Attentive Fine-Grained Structured Sparsity for Image Restoration", In Computer Vision and Pattern Recognition (**CVPR**), 2022.
- **Junghun Oh**, Heewon Kim, Sungyong Baik, Cheeun Hong, and Kyoung Mu Lee, "Batch Normalization Tells You Which Filter is Important", In Winter Conference on Applications of Computer Vision (**WACV**), 2022.
- Cheeun Hong*, Heewon Kim*, Sungyong Baik, **Junghun Oh**, and Kyoung Mu Lee, "DAQ: Channel-Wise Distribution-Aware Quantization for Deep Image Super-Resolution Networks", In Winter Conference on Applications of Computer Vision (**WACV**), 2022.
- Sungyong Baik, **Junghun Oh**, Seokil Hong, and Kyoung Mu Lee, "Learning to Forget for Meta-Learning via Task-and-Layer-Wise Attenuation", In IEEE Trans. Pattern Analysis and Machine Intelligence (**TPAMI**), *accepted*.

TEACHING ASSISTANT

L0444.000500: Computational Core: Thinking with Computer

Sep. 2022 – Dec. 2022

Seoul National University (SNU), Seoul, Korea

M2608.001900: Introduction to Computer Vision

Mar. 2022 – June. 2022

Seoul National University (SNU), Seoul, Korea

SKILLS

PyTorch, Python, C++, L^AT_EX

RESEARCH INTEREST

My current research focuses on improving efficiency in deep learning. More specifically, I work on low-rank adaptation for fine-tuning large models on downstream tasks, as well as network pruning and quantization. My research interests also include continual learning and task-driven image super-resolution.

REFERENCE

Ph.D. Advisor Prof. Kyoung Mu Lee
Professor at Seoul National University
kyoungmu@snu.ac.kr
<https://cv.snu.ac.kr>

Collaborator Prof. Sungyong Baik
Professor at Hanyang University
dsybaik@hanyang.ac.kr
<https://baiksung.github.io>