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, "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++, LaTeX

Research Interest

My current research topic is representation learning, especially for generalization to unseen data distribution. More specifically, I am working on developing representation learning methods for few-shot incremental learning and out-of-distribution generalization and detection. My research topics also include network pruning and quantization for efficient neural networks and image super-resolution.