Junghun Oh

Contact Information

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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.
- **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++, LaTeX

Research Interest

My current research topic is efficiency in deep learning. More specifically, I am working on low-rank adaptation for fine-tuning large models on downstream tasks and network pruning & quantization. My research topics also include continual learning and task-driven image super-resolution.

Reference

Ph.D. Advisor Prof. Kyoung Mu Lee
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Collaborator Prof. Sungyong Baik
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https://baiksung.github.io