

Namhyuk Ahn

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INTERESTS

- Image and video enhancement
- Generative model
- Efficient deep learning model

EDUCATION

Ajou University

Mar. 2016 - Present

Ph.D. Student in the Department of Artificial Intelligence

Advisor: Prof. Kyung-Ah Sohn

Ajou University

Mar. 2012 - Feb. 2016

Bachelor of Media in Digital Media

PUBLICATIONS

- [7] Sijin Kim*, **Namhyuk Ahn***, Kyung-Ah Sohn. Restoring Spatially-Heterogeneous Distortions using Mixture of Experts Network. Asian Conference on Computer Vision (**ACCV**), 2020. (* indicates equal contribution)
- [6] Jaejun Yoo*, **Namhyuk Ahn***, Kyung-Ah Sohn. Rethinking Data Augmentation for Image Super-resolution: A Comprehensive Analysis and a New Strategy. IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2020. (* indicates equal contribution)
- [5] **Namhyuk Ahn***, Jaejun Yoo*, Kyung-Ah Sohn. SimUSR: A Simple but Strong Baseline for Unsupervised Image Super-resolution. IEEE Conference on Computer Vision and Pattern Recognition Workshops (**CVPRW**), 2020. (* indicates equal contribution)
- [4] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Efficient Deep Neural Network for Photo-realistic Image Super-Resolution. arXiv preprint arXiv:1903.02240.
- [3] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Fast, Accurate, and Lightweight Super-Resolution with Cascading Residual Network. European Conference on Computer Vision (**ECCV**), 2018.
- [2] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Image Super-resolution via Progressive Cascading Residual Network. IEEE Conference on Computer Vision and Pattern Recognition Workshops (**CVPRW**), 2018.
- [1] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Image Distortion Detection using Convolutional Neural Network. Asian Conference on Pattern Recognition (**ACPR**), 2017.

WORK EXPERIENCE

Visiting Researcher, Clova AI Research, Naver Corp.

Sep. 2019 - Oct. 2020

· Mentor: Dr. Jaejun Yoo, Dr. Youngjung Uh and Yunjey Choi

Intern, Clova AI, Naver Corp.

June 2018 - Aug. 2018

· Mentor: Kwangjin Oh

AWARDS

Honorable Mention Award, NTIRE 2018 Challenge

June 2018

- Single image super-resolution challenge (track 1) on NTIRE workshop in CVPR 2018.

TEACHING EXPERIENCE

Lecture Instructor, Fastcampus

Aug. 2017

- Lecture material: https://github.com/nmhkahn/deep_learning_tutorial

PROFESSIONAL SERVICE

Reviewer

- Journal: TPAMI, TIP, TMM