

# Namhyuk Ahn

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## INTERESTS

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

## EDUCATION

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### Ajou University

*Mar 2016 - Present*

Ph.D. Student in Computer Engineering

*Advisor: Prof. Kyung-Ah Sohn*

### Ajou University

*Mar 2012 - Feb 2016*

Bachelor of Media in Digital Media

## PUBLICATIONS

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[5] 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. (accepted)

(\* 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. The 4th Asian Conference on Pattern Recognition (ACPR), 2017.

## WORK EXPERIENCE

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**Visiting Researcher**, Clova AI Research, Naver Corp.

*Sep 2019 - Present*

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

**Intern**, Clova AI, Naver Corp.

*Jun 2018 - Aug 2018*

· *Mentor: Kwangjin Oh*

## AWARDS

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**Honorable Mention Award**, NTIRE 2018 Challenge

*June 2018*

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

## TEACHING EXPERIENCE

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**Lecture Instructor,** Fastcampus

*Aug 2017*

- Lecture material: [https://github.com/nmhkahn/deep\\_learning\\_tutorial](https://github.com/nmhkahn/deep_learning_tutorial)

## PROFESSIONAL SERVICE

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**Reviewer,** TPAMI, TIP, TMM