

Namhyuk Ahn

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EDUCATION

Ajou University

Ph.D. Student in Computer Engineering

Advisor: Kyung-Ah Sohn

Mar 2016 - Present

Ajou University

Bachelor of Media in Digital Media

Mar 2012 - Feb 2016

RESEARCH TOPIC

- Machine Learning, Deep learning
- Image Distortion Restoration (e.g. Super-resolution)
- Human-AI Interaction

TEACHING EXPERIENCE

Fastcampus

Lecture Instructor

Aug 2017 - Aug 2017

- Taught deep learning and TensorFlow on Fastcampus Data Science School as an instructor.
- Lecture covered 1) Introduction to deep learning (NN, CNN, RNN and GAN), 2) TensorFlow exercise session and 3) Recent deep learning applications and paper reviews.
- Slides and codes are available on https://github.com/nmhkahn/deep_learning_tutorial.

Naver

Lecture TA

May 2017 - Jun 2017

- Responsible for supporting TensorFlow exercise session as a teaching assistant.

PUBLICATIONS

- [1] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Image Super-resolution via Progressive Cascading Residual Network. CVPR Workshops, 2018. (To appear)
- [2] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Fast, Accurate, and Lightweight Super-Resolution with Cascading Residual Network. arXiv preprint arXiv:1803.08664, 2018.
- [3] **Namhyuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. Image Distortion Detection using Convolutional Neural Network. ACPR, 2017.

PATENTS

- [1] **Namhuuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. "Lightweight Cascading Residual Network for Real-time Image Super-Resolution System". Korea Patent 10-2018-0034300 (patent pending)
- [2] **Namhuuk Ahn**, Byungkun Kang, Kyung-Ah Sohn. "Image Restoration System and Method using Image Distortion Detection". Korea Patent 10-2017-0081482 (patent pending)

SKILL

Languages	Python, C/C++
Frameworks	PyTorch, TensorFlow
Tools	Git, Vim, Linux, Latex

SITES

Github	https://github.com/nmhkahn
Blog	http://nmhkahn.github.io
Slideshare	https://www.slideshare.net/nmhkahn
Linkedin	https://www.linkedin.com/in/nmhkahn