Namhyuk Ahn

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EDUCATION

Ajou University *Mar 2016 - Present*
Ph.D. Student in Computer Engineering
Advisor: Kyung-Ah Sohn

Ajou University *Mar 2012 - Feb 2016*
Bachelor of Media in Digital Media

RESEARCH TOPIC

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

TEACHING EXPERIENCE

Fastcampus *Aug 2017 - Aug 2017*
Lecture Instructor

· 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 *May 2017 - Jun 2017*
Lecture TA

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

PUBLICATIONS

[1] **Namhyuk Ahn**, Byungkon Kang, Kyung-Ah Sohn. Image Super-resolution via Progressive Cascading Residual Network. In *Proceedings of* CVPR Workshops, 2018. (To appear)

[2] **Namhyuk Ahn**, Byungkon Kang, Kyung-Ah Sohn. Fast, Accurate, and Lightweight Super-Resolution with Cascading Residual Network. *arXiv preprint arXiv:1803.08664*, 2018.

[3] **Namhyuk Ahn**, Byungkon Kang, Kyung-Ah Sohn. Image Distortion Detection using Convolutional Neural Network. In *Proceedings of* ACPR, 2017.

PATENTS

[1] **Namhuuk Ahn**, Byungkon 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**, Byungkon 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`