Seonghyeon Nam

CONTACT
INFORMATION

Computational Intelligence and Photography Lab
Dept. of Computer Science
Yonsei University
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RESEARCH
INTERESTS

Computer Vision / Computational Photography / Machine Learning
color/photometry, image restoration/enhancement, deep learning for computational photography.

EDUCATION

Yonsei University, Seoul, Korea

B.S., Computer Science and Engineering, February 2014

WORK
EXPERIENCE

Yonsei University, Seoul, Korea   **March 2014 - Current**
(Research Assistant)
- Worked on deep learning based image filtering system.
- Developed a new cross-channel image noise model for JPEG images from consumer cameras.
- Worked on image dignal processing pipeline of smart phone cameras.
- Worked on image enhancement system for small gamut mobile display.

ClasseStudio, Inc., Seoul, Korea   **March 2012 - December 2013**
(Software Engineer)
- Developed Android applications and server-side applications for online poll.

Sorf, Inc., Seoul, Korea   **July 2010 - January 2012**
(Software Engineer)
- Worked on various outsourcing projects developing Android applications.
- Developed a mobile social platform for education.

TEACHING
EXPERIENCE

Yonsei University, Seoul, Korea
(Teaching Assistant)
- Computer Graphics (Undergrad, Spring 2014)
- Computer Programming (Undergrad, Spring 2014)

PUBLICATIONS

S. Nam and S. J. Kim, "Modelling the Scene Dependent Imaging in Cameras with a Deep Neural Network", In Proc. of International Conference on Computer Vision (**ICCV**), 2017.

S. Nam*, Y. Hwang*, Y. Matsushita, and S. J. Kim, "A Holistic Approach to Cross-Channel Image Noise Modeling and its Application to Image Denoising", In Proc. of IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2016 [**Spotlight presentation**]. (* equal contribution)

HONORS
& AWARDS

Excellent Paper, Dept. of Computer Science, Yonsei University   **Jun 2016**
Bronze Prize, 22nd Samsung HumanTech Paper Award   **February 2016**
Global Ph.D. Fellowship, National Research Foundation of Korea (NRF) **March 2015 - Current**

SERVICE

Reviewer WACV (2017)

Skills   **Programing Languages** C/C++, Python, Matlab, Java, C#, HTML

Tools
- Computer vision libraries (OpenCV, Matlab, Python)
- Deep learning libraries (PyTorch, TensorFlow, Caffe, Keras).
- Mobile development environments (Android SDK, Xamarin(cross-platform))