Seonghyeon Nam

Contact Information

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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*, 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**

Skills

Programing Languages C/C++, Python, Matlab, Java, C#, HTML, ASP.Net

Tools

- Computer vision libraries (OpenCV, Matlab toolboxes, Python libraries)
- Deep learning frameworks (Caffe, Keras, Theano).
- Mobile development environments (Android SDK, Xamarin(cross-platform))