

Taeoh Kim

Ph. D. Student

School of Electrical and Electronic Engineering, Yonsei University, Seoul, Korea.

CONTACT

Tel	+82-10-2256-6973 (Mobile) / +82-2-2123-7843 (Office)
E-mail	kto@yonsei.ac.kr
Homepage	https://taeoh-kim.github.io
Github	https://github.com/taeoh-kim
YouTube	https://www.youtube.com/channel/UCtfvbtV82UDr-vHnj5sPeGQ/
SlideShare	https://www.slideshare.net/TaeohKim4/
LinkedIn	https://www.linkedin.com/in/taeoh-kim-547683146/
Lab	iMAGE and Video Pattern Recognition Lab (MVPLAB) Advised by Prof. Sangyoun Lee https://mvp.yonsei.ac.kr
Tensorflow - Korea	PR (Paper Reader) 12 Member https://www.youtube.com/playlist?list=PLIMkM4tgfjnJhhd4wn5aj8fVTYJwlpWkS

RESEARCH INTERESTS

Computer Vision	Image/Video Restoration Image/Video Compression and Image/Video Quality Assessment
Machine Learning	Deep Learning, Self-supervised Learning, Bayesian Deep Learning

SKILLS

Languages	C, C++, MATLAB, Python and HTML/CSS
Frameworks	OpenCV, Tensorflow and PyTorch

EDUCATION

Sep. 2014 – Present	PH. D. in Electrical and Electronic Engineering (GPA 4.23 / 4.3) YONSEI UNIVERSITY , Seoul, Korea
Mar. 2009 – Feb. 2015	B.S. in Electrical and Electronic Engineering (GPA 3.75 / 4.3) YONSEI UNIVERSITY , Seoul, Korea

PUBLICATIONS

Int. Conferences

CollaboNet: Collaboration of Generative Models by Unsupervised Classification
Hyeongmin Lee, **Taeoh Kim**, Eungyeol Song and Sangyoun Lee
International Conference on Image Processing (ICP) 2018

Compressed Video Noise Sensitivity Analysis for Blocking Artifact Reduction
Changhyun Park, **Taeoh Kim**, Hanbin Son, Kyungjae Lee, and Sangyoun Lee
International Conference on Electronics, Information and Communication (ICEIC) 2018

Adaptive In-Loop Filtering for Ringing Artifact Reduction using Noise Level
Prediction in HEVC
Hanbin Son, Changhyun Park, **Taeoh Kim** and Sangyoun Lee
International Conference on Electronics, Information and Communication (ICEIC) 2018

A Video Coding System based on Coefficient Modeling Considering Visual
Artifact
Taeoh Kim, Changhyun Park, Hanbin Son, and Sangyoun Lee
International Conference on Electronics, Information and Communication (ICEIC) 2017

Pedestrian Detection using HOG, LBP and Color LBP
Taejae Jeon, **Taeoh Kim**, Hyunhye Shin and Sangyoun Lee
International Technical Conference on Circuits/Systems, Computers and Communications
(ITC-CSCC) 2015

PROJECTS

Apr. 2018 – Present	Development of Compact Deep Networks for Image Processing SAMSUNG ELECTRONICS CO. LTD.
Sep. 2016 – Present	Emotional Intelligence Technology to Infer Human Emotion and Carry on Dialogue Accordingly INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTRY OF SCIENCE
Jul. 2015 – Aug. 2017	Development of Novel Coding Framework based on Video Processing Quality-Aware Modeling SAMSUNG ELECTRONICS CO. LTD.
Sep. 2014 – Dec. 2015	Development of Next Generation Digital TV Broadcasting System INFORMATION TECHNOLOGY RESEARCH CENTER (ITRC), IITP, MINISTRY OF SCIENCE

AWARDS

Aug, 2015	Project « Tell-A-Byte » 1ST AWARD – Global Entrepreneurship Camp Korea 2015 Operated by IITP Korea with Stanford University
Feb, 2015	AWARDED THE HIGHEST HONERS – Top 1%, 2014-2 nd Semester Undergraduate School, Yonsei University
Aug, 2014	AWARDED HIGH HONERS – Top 3%, 2014-1 st Semester Undergraduate School, Yonsei University
Feb, 2014	AWARDED HONERS – Top 10%, 2013-2 nd Semester Undergraduate School, Yonsei University

EXPERIENCES

Apr. 2018 – Present	TEACHING ASSISTANCE – NVIDIA Deep Learning Institute @ Yonsei University
Mar. 2015 – Dec. 2017	TEACHING ASSISTANCE – School of EE, Yonsei University [2015-1] Digital Signal Processing, [2015-2] Signal and Systems [2016-2] Electrical & Electronic Engineering Experiments: Applications [2017-1] Electrical & Electronic Engineering Experiments: Applications [2017-2] Electrical & Electronic Engineering Experiments: Applications
Sep. 2013 – Jun. 2014	Y.D.M.C. ALUMNI – Yonsei University Dream Major Conductor Representative of Electrical & Electronic Engineering https://cafe.naver.com/yydmc