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/
LinkiedIn	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=PLlMkM4tgfjnJhhd4wn5aj8fVTYJwIpWkS

RESEARCH INTERESTS

Computer Vision	Image Restoration, Video/Motion Analysis
	Image/Video Compression and Image/Video Quality Assessment
Machine Learning	Deep Learning, Generative Models, Weakly and Unsupervised Learning and Reinforcement Learning

SKILLS

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

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

PROJECTS

Sep. 2016 – Present

Emotional Intelligence Technology to Infer Human Emotion and Carry on Dialogue Accordingly
INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTY OF SCIENCE

Jan. 2017 – Present

Development of the high-precision natural 3D view generation technology using smart-car multi sensors and deep learning
INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTY 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, MINISTY OF SCIENCE

PUBLICATIONS

Int. Conferences

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*

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%, 2014-2nd Semester
Undergraduate School, Yonsei University

Aug, 2014
AWARDED HIGH HONERS– Top 3%, 2014-1st Semester
Undergraduate School, Yonsei University

Feb, 2014
AWARDED HONERS– Top 10%, 2013-2nd Semester
Undergraduate School, Yonsei University

EXPERIENCES

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