

# HyeongminLee

Undergraduate Intern, [iMage and Video Pattern recognition lab\(MVP\)](#)

Yonsei University, Seoul, Korea

## CONTACT

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## INTERESTS

Computer Vision Image Processing, Hand Gesture Recognition, Image Generation  
Video Analysis, Video Understanding  
Machine Learning Deep Learning, Convolutional Neural Networks, Recurrent Neural Networks  
Generative Adversarial Networks, Reinforcement Learning,  
Mathematics Natural Language Processing  
Linear Algebra, Topology

## EDUCATION

Mar.2014 – Present **B.S. in Electrical and Electronic Engineering**  
**YONSEI UNIVERSITY**, Seoul, Korea

## PUBLICATION

- Domestic Conference
1. **Hyeongmin Lee**, Hanbyeol Bae, Taejae Joen, Jinkyung Do, Sangyoun Lee (2017.6). Corner Detection with Improved Hough Transform by Line Pruning Filter for Augmented Reality. 『*Proceedings of Symposium of the Korean Institute of communications and Information Sciences*』, 1610-1611.
- Domestic Journal
1. **Hyeongmin Lee**, Sangyoun Lee. "Target Region Detection Using Line Pruning Filter-Based Hough Transform for Augmented Reality". *Journal of The Institute of Electronics and Information Engineers*, 54.10 (2017.10): 1473-1481.

## PROJECTS

Jul.2016 - Present

**YONSEI UNIVERSITY, Dept. of Electrical and Electronic Engineering**  
(Research Intern)

- **Facial Expression Recognition Using Deep Neural Network**
  - Nov.2016 – Jun.2017
  - Developed real time Facial Emotion Recognizer using CNN

## EXPERIENCES

Sep.2015 - Present

**Electrical and Electronic Honor Society (EEHS)**

- Organization under Yonsei University
- Chairman(Jul.2016 – Jun.2017)

Nov.2016 - Present

**Young Engineers' Honor Society (YEHS)**

- Organization under The National Academy of Engineering of Korea

## SKILL

Programming Languages

Visual C/C++, Python, Matlab

Libraries

OpenCV, Tensorflow, Caffe

Application Languages

HTML, CSS, Javascript