

# Yoon Gyo Jung

COMPUTER VISION/MACHINE LEARNING · RESEARCHER/ENGINEER  
6-23, Dobong-ro 180-gil, Dobong-gu, Seoul, Republic of Korea  
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## Education

### Yonsei University

B.S. IN ELECTRICAL AND ELECTRONIC ENGINEERING  
• GPA: 3.49/4.3 (Yonsei University)

Seoul, South Korea  
Mar. 2012 - Aug. 2018

### University of California, Irvine, U.S

EXCHANGE STUDENT  
• GPA: 3.52/4.0 (University of California, Irvine)

Irvine, California  
Sep. 2016 - June. 2017

### Yonsei University

M.S. IN ELECTRICAL AND ELECTRONIC ENGINEERING  
• GPA: 4.11/4.3 (Yonsei University)

Seoul, South Korea  
Sep. 2018 - Aug. 2020

## Honors & Awards

### HONORS

- 2013 **Honors Student**, Yonsei University
- 2017 **Dean's Honor List**, UC Irvine
- 2017 **Dean's Honor List**, UC Irvine

### SCHOLARSHIPS

- 2012 **Entrance Scholarship**, Korea Scholarship Aid Foundation
- 2013 **Entrance Scholarship**, Korea Scholarship Aid Foundation
- 2013 **Honors Student Scholarship**, Yonsei University
- 2016 **Entrance Scholarship**, Korea Scholarship Aid Foundation
- 2017 **Entrance Scholarship**, Korea Scholarship Aid Foundation
- 2018 **Entrance Scholarship**, Korea Scholarship Aid Foundation

## Skills and Languages

**Programming** Python, Pytorch, C++, Matlab, Flask, Java  
**Languages** Korean (native), English (professional), Japanese (beginning)  
**Qualifications** OPIC (English, AL), TOEFL (English, 99)

## Experience

### Multimedia Security Lab, Yonsei University

POST-MASTER RESEARCHER  
• Writing paper with results of topic : improving periocular recognition in the wild using corresponding face images

Seoul, South Korea  
Sep. 2020 - current

### Multimedia Security Lab, Yonsei University

RESEARCH ASSISTANT  
• Research topic : improving periocular recognition in the wild using corresponding face images

Seoul, South Korea  
Mar. 2019 - Aug. 2020

### Yonsei University

TEACHING ASSISTANT  
• TA of Digital Logic Circuits (EEE2040) spring 2019  
• TA of Introduction to Artificial Intelligence (EEE3414) fall 2019  
• TA of Neural Network (EEE7501) spring 2020

Seoul, South Korea  
Mar. 2019 - Jun. 2020

## UC Irvine Computational Vision Lab

RESEARCH ASSISTANT

- Research assistant of SHOD project
- Extension of "Cross-domain Forensic Shoeprint Matching" with shoesole dataset
- Designed website with flask to display results of deep learning framework

*Irvine, California, U.S*

*Jun. 2017 - Jan. 2018*

## Seoul Metropolitan Police Agency

SECURITY GUARD

- Security guard for 119 diplomatic facilities in South Korea

*Seoul, South Korea*

*Jan. 2014 - Oct. 2015*

## Projects

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### Safe and Efficient Large Capacity Open Set Face Recognition in the Wild with Soft Biometric

*Mar. 2019 - current*

### Demonstrating Neural Style Transfer and exhibiting demo service with Flask for undergradate senior project

*Mar. 2018 - May. 2018*

### Extending Forensic Shoeprint Matching project of UCI Computational Vision Lab

*Jun. 2017 - Jan. 2018*

## Publications

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**Yoon Gyo Jung**, Jaewoo Park, Cheng Yaw Low, Leslie Ching Ow Tiong, and Andrew Beng Jin Teoh. "Periocular in the Wild Embedding Learning with Cross-Modal Consistent Knowledge Distillation." Pattern Recognition.(submitted)

Park, Jaewoo, **Yoon Gyo Jung**, and Andrew Beng Jin Teoh. "Discriminative Multi-level Reconstruction under Compact Latent Space for One-Class Novelty Detection." 2020 25th International Conference on Pattern Recognition (ICPR 2020). (oral)

**Jung, Yoon Gyo**, Cheng Yaw Low, Jaewoo Park, and Andrew Beng Jin Teoh. "Periocular Recognition in the Wild With Generalized Label Smoothing Regularization." IEEE Signal Processing Letters 27 (2020): 1455-1459.

Jaewoo Park, **Yoon Gyo Jung**, Andrew Teoh. "Revisiting ImprovedGAN with Metric Learning for Semi-Supervised Learning." 2020 25th International Conference on Pattern Recognition (ICPR 2020)

**Jung, Yoon Gyo**, Jaewoo Park, Leslie Ching Ow Tiong, and Andrew Beng Jin Teoh. "Periocular recognition in the wild with learned label smoothing regularization." In Twelfth International Conference on Digital Image Processing (ICDIP 2020), vol. 11519, p. 115190T. International Society for Optics and Photonics, 2020.