

Yoon Gyo Jung

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Education

Northeastern University <i>PhD. in Computer Engineering (GPA: 3.86 / 4.00)</i> <ul style="list-style-type: none">• Research Assistant: Robust System Lab• Supervisor: Octavia Camps	Sep. 2021 - Current Boston, Massachusetts
Yonsei University <i>M.S. in Electrical and Electronic Engineering (GPA: 4.11/4.3)</i> <ul style="list-style-type: none">• Research Assistant: Multimedia Security Lab• Supervisor: Andrew Beng Jin Teoh	Sep. 2018 - Aug. 2020 Seoul, South Korea
University of California, Irvine <i>Exchange Student Program (GPA: 3.52/4.0)</i>	Sep. 2016 - June. 2017 Irvine, California
Yonsei University <i>B.S. in Electrical and Electronic Engineering (GPA: 3.49/4.3)</i>	Mar. 2012 - Aug. 2018 Seoul, South Korea

Experience

Robust System Lab, Northeastern University <i>Research Assistant</i> <ul style="list-style-type: none">• Research Topic : Out of Distribution Detection, Face Forgery Generation, Industrial Anomaly Detection	Jan. 2022 - Current Boston, Massachusetts
Mitsubishi Electric Research Laboratories <i>Research Intern</i> <ul style="list-style-type: none">• Research Topic : Open Vocabulary Object Detection	May. 2024 - August. 2024 Cambridge, Massachusetts
NHN Corp Computer Vision Team <i>Machine Learning Researcher</i> <ul style="list-style-type: none">• Research Topic : OCR Detection/Recognition	Jan. 2021 - Jul. 2021 Seongnam-si, South Korea
Multimedia Security Lab, Yonsei University <i>Research Assistant</i> <ul style="list-style-type: none">• Research Topic : Face to Periocular(region near eyes) Cross-modal Knowledge Distillation	Mar. 2019 - Dec.2020 Seoul, South Korea
Computational Vision Lab, UC Irvine <i>Research Assistant</i> <ul style="list-style-type: none">• Research Topic : Extending Cross-domain Forensic Shoeprint Matching to Shoesole Matching	Jun. 2017 - Jan. 2018 Irvine, California
Seoul Metropolitan Police Agency <i>Embassy Guard</i> <ul style="list-style-type: none">• Security guard for 119 diplomatic facilities in South Korea	Jan. 2014 - Oct. 2015 Seoul, South Korea

Publications

Conferences |

- **Yoon Gyo Jung**, Jaewoo Park, Jaeho Yoon, Kuan-Chuan Peng, Wonchul Kim, Andrew Beng Jin Teoh, and Octavia Camps. "TailedCore : Few-Shot Sampling for Unsupervised Long-Tail Noisy Anomaly Detection" Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition. 2025 (Accepted)
- **Yoon Gyo Jung**, Jaewoo Park, Xingbo Dong, Hojin Park, Andrew Beng Jin Teoh, and Octavia Camps. "Face Reconstruction Transfer Attack as Out-of-Distribution Generalization." European conference on computer vision. 2024
- Jaewoo Park, **Yoon Gyo Jung**, and Andrew Beng Jin Teoh. "Nearest Neighbor Guidance for Out-of-Distribution Detection." Proceedings of the IEEE/CVF International Conference on Computer Vision. 2023.
- Jaewoo Park, **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)

- 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)

Journals |

- **Yoon Gyo Jung**, Jaewoo Park, Cheng Yaw Low, Jacky Chen Long Chai, Leslie Ching Ow Tiong, Andrew Beng Jin Teoh "Periocular Embedding Learning with Consistent Knowledge Distillation from Face.", Neurocomputing. 2024.
- Kim, Jihyeon, **Yoon Gyo Jung**, and Andrew Beng Jin Teoh. "Multimodal biometric template protection based on a cancelable SoftmaxOut fusion network." Applied Sciences 12.4 (2022): 2023.
- **Yoon Gyo Jung**, 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.

Scholarships & Awards

Scholarships |

- **National Science & Technology Scholarship, South Korea :**
2012 Spring, 2012 Fall, 2013 Spring, 2016 Spring, 2016 Fall, 2017 Spring, 2018 Spring
- **Honors Student Scholarship, Yonsei University :**
2013 Fall

Awards & Honors |

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

Technical Skills

Languages: Python, Pytorch, Jax, C++, Matlab

Languages: Korean (native), English (professional), Japanese (beginner)

Qualifications: TOEFL (English, 99)