

Jungho Lee

PH.D CANDIDATE

50, Yonsei-ro, Seodaemun-gu, Seoul, Republic of Korea

✉ 2015142131@yonsei.ac.kr | 🏠 Jho-Yonsei.github.io | 📧 Jho-Yonsei | 🎓 Jungho Lee

RESEARCH INTERESTS

Video Understanding

- Video Action Recognition
- Skeleton-based Action Recognition

Neural View Synthesis

- Neural Radiance Field on Static Scene
- Neural Radiance Field on Dynamic Scene
- Neural Radiance Field on Blurred Scene

EDUCATION

Yonsei University | College of Engineering

INTERATED M.S./PH.D IN ELECTRICAL AND ELECTRONIC ENGINEERING

Seoul, South Korea

Sep. 2021 - Aug. 2026 (Expected)

- Image and Video Pattern Recognition Lab.
- Advisor: Prof. Sangyoum Lee

Yonsei University | College of Engineering

B.S. IN ELECTRICAL & ELECTRONIC ENGINEERING

Seoul, South Korea

Mar. 2015 - Aug. 2021

- 2-Year Military Service (2017-2019)

PUBLICATIONS

Conference Proceedings

- [C4] **J. Lee**, M. Lee, D. Lee, and S. Lee. Hierarchically Decomposed Graph Convolutional Networks for Skeleton-Based Action Recognition, *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, 2023.
- [C3] **J. Lee**, M. Lee, S. Cho, S. Woo, S. Jang, and S. Lee. Leveraging Spatio-Temporal Dependency for Skeleton-Based Action Recognition, *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, 2023.
- [C2] **J. Lee**, S. Jang, Y. Lee, and S. Lee. One-Stage Mobile Palmprint Recognition via Keypoint Detection Network, International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC), 2023.
- [C1] H. Lee, S. Cho, S. Jang, **J. Lee**, S. Woo, and S. Lee. Detection-Identification Balancing Margin Loss for One-Stage Multi-Object Tracking, *International Conference on Image Processing (ICIP)*, 2022.

Preprinted papers

- M. Lee, S. Cho, C. Park, D. Lee, **J. Lee**, and S. Lee. Global-Local Aggregation with Deformable Point Sampling for Camouflaged Object Detection. *arXiv preprint arXiv:2211.12048*, 2023.
- M. Lee, S. Cho, D. Lee, C. Park, **J. Lee**, and S. Lee. Guided Slot Attention for Unsupervised Video Object Segmentation. *arXiv preprint arXiv:2303.08314*, 2023.

PROJECTS

Development of Anti-spoofing Model for Face Recognition Based on RGB Camera

DEEP LEARNING RESEARCHER

Samsung Electronics

Aug. 2023 - Jul. 2024

- Development of face anti-spoofing model robust to various spoofing attack.

Development of Mobile Palmprint Recognition Algorithm

DEEP LEARNING RESEARCHER

Samsung Electronics

Aug. 2022 - Jul. 2023

- Development of one-stage real-time mobile network, which includes keypoint detection and palmprint recognition.
- Development of real-time Android demo application for palmprint recognition.

Deep Learning-Based Initial Identification and Tracking System for Missing Persons in Heterogeneous CCTV Images

DEEP LEARNING RESEARCHER

National Research Foundation of Korea

Oct. 2018 - Dec. 2022

- Development of real-time multi-object tracking algorithm robust to occluded person.

Development of AI Multi-Object Tracking and Behavior Analysis Technology

DEEP LEARNING RESEARCHER

Hanwha Techwin

Oct. 2020 - Oct. 2021

- Development of robust feature extractor for the object detection network.

TEACHING EXPERIENCES

Deep Learning Lab.

TEACHING ASSISTANT

Yonsei University

Spring 2023

Understanding and Using AI

TEACHING ASSISTANT

Yonsei University

Spring 2022, Fall 2022

Digital Logic Circuit

TEACHING ASSISTANT

Yonsei University

Fall 2021

SKILLS

Research and Development Stacks

Main Languages Python, C/C++, MATLAB, Kotlin

Machine Learning PyTorch, TensorFlow, Keras

Computer Vision OpenCV

REFERENCES

Sangyoun Lee Professor, Yonsei University

syleee@yonsei.ac.kr