

Jungho Lee

Computer Vision Engineer, ML/DL Researcher

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RESEARCH INTERESTS

Video Understanding

- Video Action Recognition
- Skeleton based Action Recognition

Novel View Synthesis

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

Object Tracking

- Multiple Object Tracking

EDUCATION

Yonsei University | College of Engineering

Integrated M.S./Ph.D. in Electrical and Electronic Engineering

Image and Video Pattern Recognition Lab. (M.S/Ph.D 4th)

Seoul, Korea

Aug. 2021 - Present

Yonsei University | College of Engineering

B.S. in Electrical and Electronic Engineering

Seoul, Korea

Mar. 2015 - Aug. 2021

PUBLICATIONS

Hierarchically Decomposed Graph Convolutional Networks for Skeleton-Based Action Recognition, *ICCV'23*

- Jungho Lee, Minhyeok Lee, Dogyoon Lee, Sangyoon Lee

Leveraging Spatio-Temporal Dependency for Skeleton-Based Action Recognition, *ICCV'23*

- Jungho Lee, Minhyeok Lee, Suhwan Cho, Sungmin Woo, Sungjun Jang, Sangyoun Lee

One-Stage Mobile Palmprint Recognition via Keypoint Detection Network, *ITC-CSCC'23*

- Jungho Lee, Sungjun Jang, Yongju Lee, Sangyoun Lee

Detection-Identification Balancing Margin Loss for One-stage Multi-object Tracking, *ICIP'22*

- Heansung Lee, Suhwan Cho, Sungjun Jang, Jungho Lee, Sungmin Woo, Sangyoun Lee

PROJECTS

Development of Mobile Palmprint Recognition Algorithm

- Funded by Samsung Electronics
- Deep Learning Researcher
- Keypoint Detection, Palmprint Recognition, Palmprint Verification
- Development of one-stage real-time mobile palmprint recognition network, which includes keypoint detection network and palmprint recognition network.
- Development of real-time Android demo application for palmprint recognition

Yonsei University

Aug. 2022 - Jul. 2023

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

- Funded by National Research Foundation of Korea
- Deep learning researcher
- Development of real-time multi-object tracking algorithm robust to occluded person

Oct. 2018 - Dec. 2022

Development of AI Multi-Object Tracking and Behavior Analysis Technology

- Funded by Hanwha Techwin
- Deep learning researcher
- Development of robust feature extractor for the object detection network

Yonsei University

Oct. 2020 - Oct. 2021

LANGUAGES

(Native) Korean, (Proficient) English

SKILLS

Programming Languages

(Proficient) Python, (Familiar) C, C++, MATLAB, Kotlin

Deep Learning Framework

(Proficient) Pytorch, (Familiar) Keras

TEACHING EXPERIENCE

(Teaching Assistant) Digital Logic Circuit (Fall 2021)

(Teaching Assistant) Understanding and Using AI (Spring 2022, Fall 2022)

(Teaching Assistant) Deep Learning Lab. (Spring 2023)

OTHER ACTIVITIES

Military Service

Served as Bird Alert Team for Republic of Korea Air Force

Sep. 2017 - Aug. 2019