

Jinhyun Jang

JOINT M.S & PH.D CANDIDATE · YONSEI UNIVERSITY

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Summary

Research Interest Deep learning, Computer vision, Vision-language models, Object detection, Video understanding, Generative models
Current Focus Open-vocabulary object detection, Visual grounding

Education

Yonsei University

JOINT M.S & PH.D CANDIDATE, ELECTRICAL & ELECTRONIC ENGINEERING

- Supervisor: Prof. Kwanghoon Sohn.

Seoul, S.Korea

Mar. 2020 - Present

Yonsei University

B.S., ELECTRICAL & ELECTRONIC ENGINEERING

Seoul, S.Korea

Feb. 2020

Publication

“Knowing Where to Focus: Event-aware Transformer for Video Grounding”

JINHYUN JANG, JUNGIN PARK, JIN KIM, HYEOUNGJUN KWON AND KWANGHOON SOHN

Oct. 2023

- IEEE/CVF International Conference on Computer Vision (ICCV), 2023.

“Probabilistic Prompt Learning for Dense Prediction”

HYEOUNGJUN KWON, TAEYONG SONG, SOMI JEONG, JIN KIM, JINHYUN JANG, AND KWANGHOON SOHN

Jun. 2023

- IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023.

“Semantic-Aware Network for Aerial-to-Ground Image Synthesis”

JINHYUN JANG, TAEYONG SONG AND KWANGHOON SOHN

Sep. 2021

- International Conference on Image Processing (ICIP), 2021.

Patent

“Cross-modal Retrieval Learning Apparatus and Method”

JINHYUN JANG AND KWANGHOON SOHN

Apr. 2023

- Korean patent, 10-2023-0047216

“Aerial-to-Ground Image Synthesis Apparatus and Method”

JINHYUN JANG AND KWANGHOON SOHN

Dec. 2021

- Korean patent, 10-2021-0166722

Research Project

Development of Object Detection and Tracking via Deep Learning

FUNDED BY LIG NEX1

Seoul, S.Korea

Apr. 2021 - Present

- Developed an algorithm for object detection and tracking

Deep Identification and Tracking of Missing Person in Heterogeneous CCTV

FUNDED BY MINISTRY OF SCIENCE, NATIONAL RESEARCH FOUNDATION

Seoul, S.Korea

Mar. 2020 - Feb. 2022

- Developed an algorithm for pedestrian detection, tracking, re-identification

Honors & Awards

2020 **3rd Award**, DACON Deepfake Face Detection Challenge

Seoul, S.Korea

Experiences

Lab Manager

DIGITAL IMAGE MEDIA LAB

Seoul, S.Korea

Sep. 2023-Present

Teaching Assistants

Seoul, S.Korea

DEPT. OF ELECTRICAL & ELECTRONIC ENGINEERING, YONSEI UNIVERSITY

- Internship: Text-to-Image Generation, Spring, 2022
- Internship: Generative Models, Winter, 2021
- Signals and Systems, Fall, 2021
- Introductory Digital Experiments, Fall, 2020

Skills

Programming Python, Lua, C/C++, MATLAB
Deep learning Pytorch, Tensorflow
Languages Korean, English