

Hanjung Kim

CONTACT INFORMATION

✉ **E-mail:** hanjungkim@yonsei.ac.kr
📄 **GitHub:** <https://github.com/KimHanjung>

🏠 **Homepage:** <http://kimhanjung.github.io/>
in **LinkedIn**

RESEARCH INTERESTS

Computer Vision / Robot Learning
Object-Centric Representation, Image & Video Understanding, Self-supervised Learning, Multi-modal Learning, Real-world Scenarios, Learning from Human Video, Mobile Manipulation; but not limited to.

EDUCATION

PhD in Computer Science, **Yonsei University**, Seoul, Korea Sep 2021 - Current
Advisor: **Prof. Seon Joo Kim**

BS in Computer Science, **Yonsei University**, Seoul, Korea Mar 2017 - Aug 2021
Undergraduate Research Assistant

- Deepfake Detection
- Object recognition and future position prediction, **Best Capstone Design Award**

RESEARCH EXPERIENCE

Naver Clova, Seongnam, Korea Jul 2022 - Jan 2023
(*Research Intern*)

- Image Segmentation
- Optimizing training strategies for dense prediction

CONFERENCE PUBLICATIONS

Hanjung Kim, Jaehyun Kang, Miran Heo, Sukjun Hwang, Seoung Wug Oh, Seon Joo Kim, “**VIS-AGE: Video Instance Segmentation with Appearance-Guided Enhancement**”. In *ECCV*. 2024.

Hyolim Kang, **Hanjung Kim**, Joungbin An, Minsu Cho, Seon Joo Kim, “**SoLa: Soft Landing Module for Temporal Action Localization Tasks**”. In *CVPR*. 2023.
Finalist at Qualcomm Innovation Fellowship 2023

Miran Heo, Sukjun Hwang, Jeongseok Hyun, **Hanjung Kim**, Seoung Wug Oh, Joon-Young Lee, Seon Joo Kim, “**A Generalized Framework for Video Instance Segmentation**”. In *CVPR*. 2023.

SKILLS

Programming Languages Python, C/C++, Java
Tools Deep Learning Frameworks (PyTorch, TensorFlow), Python Scientific Computing Libraries (numpy, scipy, matplotlib, etc), OpenCV, Docker, \LaTeX

PROJECTS

Object recognition and future position prediction Aug 2020 - Dec 2020
Graduation Capstone, Yonsei University

- Physical reasoning using blurred images
- Recognize objects and predict position of the object moving on 3D

Deepfake Detection Feb 2021 - Jun 2021
Graduation Capstone, Yonsei University

- Developing generalized deepfake detection method using deep learning

Video Understanding Apr 2022 - Dec 2022
Institute for Information & Communication Technology Planning & Evaluation (IITP)

- Plug-and-play module that reduces task discrepancy problem

- Improving the performance of pre-trained snippet features.

AWARDS AND
HONORS

Excellent Research Exhibition, Dept. of Computer Science, Yonsei University
Academic Achievement Award, Yonsei University

Dec 2020
Dec 2020

TEACHING
EXPERIENCE

Yonsei University, Seoul, Korea

- TA of Object Oriented Programming (Fall 2021, Fall 2022)
- TA of Python Programming (Spring 2022, Spring 2023)

ACADEMIC
SERVICES

Conference Reviewer

- BMVC, ECCV

Journal Reviewer

- TPAMI