Hanjung Kim

Contact Information

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

Research Interests

Computer Vision / Representation Learning / Machine Learning
Object-Centric Representation, Image & Video Understanding,
Self-supervised Learning, Multi-task Learning, Real-world Scenarios,
Unified Architectures, Parsing 2D & 3D Semantic Contexts; 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

Conference Publications

Hanjung Kim, Jaehyun Kang, Miran Heo, Sukjun Hwang, Seoung Wug Oh, Seon Joo Kim, "VISAGE: Video Instance Segmentation with Appearance-Guided Enhancement". ***Under Review***

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

Yonsei University, Seoul, Korea

- Best Award (Software Capstone Design, Fall 2020)
- Excellent Student (Fall 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 (2022)