

# Donghyeon Kwon

PH.D. CANDIDATE @ POSTECH CVLAB

Computer Vision Laboratory, POSTECH, 77 Cheongam-ro, Pohang, Geongbuk, South Korea 37673

☎ (+82) 10-5056-4652 | ✉ kinux98@postech.ac.kr | 🏠 kinux98.github.io | 📷 kinux98 | 🎓 Google scholar

## Research Interests

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### Computer Vision and Deep Learning

- Semi-/Webly-/Omni-supervised learning
- 2D/3D Semantic segmentation and Object detection
- Knowledge distillation
- Video action detection and Spatio-temporal correspondence

## Education

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### POSTECH (Pohang University of Science and Technology)

INTEGRATED M.S. · PH.D. COURSE IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Prof. **Suha Kwak**

Pohang, S.Korea

Feb. 2021 - Present

### POSTECH (Pohang University of Science and Technology)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Prof. **Hwanjo Yu**

Pohang, S.Korea

Feb. 2017 - Feb. 2021

## Publication

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### • Self-supervised Learning of Semantic Correspondence Using Web Videos

**DONGHYEON KWON**, MINSU CHO AND SUHA KWAK

IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)

Jan. 2024

### • Leveraging Proxy of Training Data for Test-Time Adaptation

JUWON KANG, NAYEONG KIM, **DONGHYEON KWON**, JUNGSEUL OK AND SUHA KWAK

International Conference on Machine Learning (ICML)

July. 2023

### • Semi-supervised Semantic Segmentation with Error Localization Network

**DONGHYEON KWON** AND SUHA KWAK

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)

Jun. 2022

## Awards

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2022 **BK21 Best Paper Award from POSTECH CSE**, “Semi-supervised Semantic Segmentation with Error Localization Network”

2020 **2nd Prize, Research Project Award from POSTECH CSE**, “Crowd Counting with transformer”

## Reviewing Services

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- Computer Vision and Pattern Recognition Conference (CVPR), 2023, 2024
- International Conference on Computer Vision (ICCV), 2023
- European Conference on Computer Vision (ECCV), 2024
- Conference on Neural Information Processing Systems (NeurIPS), 2023
- International Conference on Learning Representations (ICLR), 2024
- AAAI Conference on Artificial Intelligence (AAAI), 2024
- Asian Conference on Computer Vision (ACCV), 2022

## Teaching Experience

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### Teaching Assistant

POSTECH

- CSED415, Computer security (2023, Spring)
- CSED211, Introduction to computer software and system (2022, Fall)
- CSED415, Computer security (2022, Spring)

## Work Experience

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### Samsung Advanced Institute of Technology (SAIT)

RESEARCH INTERN

- Mentor: Dr. **Hyeongseok Son**

*Suwon, S.Korea*

*July, 2023 - Aug. 2023*

### Korea Institute of Science and Technology (KIST)

RESEARCH ASSISTANT

- Advisor: Dr. **Suhyun Kim**

*Seoul, S.Korea*

*Jun. 2019 - Aug. 2019*

### Postech Laboratory for Unix Security

STUDENT CLUB MEMBER

- Advisor: Prof. **Jong Kim**

*Pohang, S.Korea*

*Jun. 2017 - Jun. 2019*

## Projects

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### Samsung Electronics

- Webly Supervised Learning for Visual Recognition

*Mar. 2021 - Present*