

# Jaeyoo Park

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## Education

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### Seoul National University (SNU)

INTEGRATED M.S./PH.D PROGRAM IN ELECTRICAL AND COMPUTER ENGINEERING

- Advisor: Prof. Bohyung Han

Seoul, Korea

Sep. 2018 - Present

### Seoul National University (SNU)

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING

- Compulsory Military Service

Seoul, Korea

Mar. 2012 - Aug. 2018

Aug. 2014 - Aug. 2016

## Research Interest

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I am interested in computer vision and deep learning, with an emphasis on video analysis and multi-modal understanding. From the fact that frameworks handle videos cost much, my recent research topics also include dealing with data under limited conditions, such as continual learning, self-supervised learning, and weakly-supervised learning.

## Publication

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### Class-Incremental Learning by Knowledge Distillation with Adaptive Feature Consolidation

CVPR 2022

MINSOO KANG, JAEYOO PARK, BOHYUNG HAN

- Oral Presentation

### Class-Incremental Learning for Action Recognition in Videos

ICCV 2021

JAEYOO PARK, MINSOO KANG, BOHYUNG HAN

### Rotation-Invariant Local-to-Global Representation Learning for 3D Point Cloud

NeurIPS 2020

SEOHYUN KIM, JAEYOO PARK, BOHYUNG HAN

### Learning to Adapt to Unseen Abnormal Activities under Weak Supervision

ACCV 2020

JAEYOO PARK\*, JUNHA KIM\*, BOHYUNG HAN

(\*:equal contribution)

## Industrial Projects

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### Enhancing Joint Embedding for Image-Text Retrieval

COLLABORATION WITH SAMSUNG SDS

Jan 2022 - Current

- In Progress

### Detecting Abnormal Events in Videos under Limited Supervision

COLLABORATION WITH SK TELECOM

Jul 2019 - Mar 2020

- ACCV Publication

## Honors & Awards

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- Outstanding Reviewer in ICCV 2021

## Academic Services

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### Journal Reviewer

TPAMI, CVIU, MVAP

### Conference Reviewer

CVPR, NEURIPS, ECCV, ICCV, ICLR, AND IROS

## Work Experience

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### SNU Computer Vision Lab

UNDERGRADUATE INTERN

Seoul, Korea

March 2018 – May 2018

- Developed a **weakly-supervised action localization framework** whose code is not released to the public:  
<https://github.com/bellos1203/STPN>

### Samsung Electro-Mechanics

SOFTWARE ENGINEERING INTERN

Suwon, Korea

Jan 2018 – Feb 2018

- Participated in developing **OIS(Optical Image Stabilization) algorithm** for camera module at Advanced Development Department

### Seoul Southern District Court

COURT GUARD ASSISTANT

Seoul, Korea

Aug. 2014 - Aug. 2016

- Compulsory Military Service

## Teaching Experience

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### Introduction to Algorithms (ECE 430.329)

TEACHING ASSISTANT

Seoul National University

Fall 2018, Fall 2019

### Advanced Computer Vision Course

TEACHING ASSISTANT

Samsung Electronics

Apr 2019, Jul 2019

- Object Segmentation, Action Recognition

### Advanced Computer Vision Course

TEACHING ASSISTANT

LG Electronics

Feb 2019

- Object Segmentation

### Introduction to Deep Learning

TEACHING ASSISTANT

Seoul Big Data Academy (SNU)

Jan 2019

- Tensorflow basic, CNNs

## Extracurricular Activity

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### School Mentoring Program

PROGRAM LEADER

Seoul National University

Feb 2018 – Jun 2018

- Served as a leader of a volunteer program for freshmen international students

## Skills

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### Language

KOREAN, ENGLISH

### Programming

PYTHON, C++/C, MATLAB, TENSORFLOW, PYTORCH, L<sup>A</sup>T<sub>E</sub>X

## References

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### Advisor : Prof. Bohyung Han

SEOUL NATIONAL UNIVERSITY

- [bhhan@snu.ac.kr](mailto:bhhan@snu.ac.kr)
- <https://cv.snu.ac.kr/index.php/bhhan/>

### Affiliation : SNU Computer Vision Lab

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