Jaeyoo Park

Rm 508 Bdg 133, 1 Gwanak-ro, Gwanack-gu, Seoul, Korea

✉ bellos1203@snu.ac.kr | 🏠 bellos1203.github.io | 🐙 github.com/bellos1203 | 🎓 Google Scholar

Education

Seoul National University (SNU)   *Seoul, Korea*

INTEGRATED M.S./PH.D PROGRAM IN ELECTRICAL AND COMPUTER ENGINEERING   *Sep. 2018 - Present*

- Advisor : **Prof. Bohyung Han**

Seoul National University (SNU)   *Seoul, Korea*

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING   *Mar. 2012 - Aug. 2018*

- Compulsory Military Service   *Aug. 2014 - Aug. 2016*

Research Interest

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

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

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

Academic Services

Journal Reviewer

CVIU, MVAP

Conference Reviewer

CVPR (2022), NEURIPS (2022), ECCV (2020, 2022), ICCV (2021), ICLR (2022), IROS (2021)

Honors & Awards

- **Outstanding Reviewer** in **ICCV 2021**

Work Experience

SNU Computer Vision Lab
Seoul, Korea

Undergraduate Intern
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
Suwon, Korea

Software Engineering Intern
Jan 2018 – Feb 2018

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

Seoul Southern District Court
Seoul, Korea

Court Guard Assistant
Aug. 2014 - Aug. 2016

- Compulsory Military Service

Teaching Experience

Introduction to Algorithms (ECE 430.329)
Seoul National University

Teaching Assistant
Fall 2018, Fall 2019

Advanced Computer Vision Course
Samsung Electronics

Teaching Assistant
Apr 2019, Jul 2019

- Object Segmentation, Action Recognition

Advanced Computer Vision Course
LG Electronics

Teaching Assistant
Feb 2019

- Object Segmentation

Introduction to Deep Learning
Seoul Big Data Academy (SNU)

Teaching Assistant
Jan 2019

- Tensorflow basic, CNNs

Extracurricular Activity

School Mentoring Program
Seoul National University

Program Leader
Feb 2018 – Jun 2018

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

Skills

Language

Korean, English

Programming

Python, C++/C, MATLAB, Tensorflow, Pytorch, LaTeX

References

Advisor : Prof. Bohyung Han

Seoul National University

- bhhan@snu.ac.kr
- https://cv.snu.ac.kr/index.php/bhhan/

Affiliation : SNU Computer Vision Lab

Seoul National University

- https://cv.snu.ac.kr