Jaeyoo Park

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

(+82) 10-9905-9190 | bellos1203@snu.ac.kr | 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
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

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

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

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