

# Jinsung Lee

PH.D. STUDENT @ COMPUTER VISION LAB.

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

☎ (+82) 10-3346-0989 | ✉ jinsunglee@postech.ac.kr | 🏠 jinsungsangsung.github.io | 🎓 Google Scholar

## Research Interests

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### Computer Vision and Deep Learning

- Spatio-temporal Action Localization
- Video Reconstruction/Generation/Editing
- Neuro-Symbolic Video Understanding

## Education

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

PH.D STUDENT IN COMPUTER SCIENCE AND ENGINEERING

Pohang, S. Korea

Mar. 2024 - Present

- Advisor: Prof. Suha Kwak
- Cumulative GPA: - / 4.3

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

M.S STUDENT IN COMPUTER SCIENCE AND ENGINEERING

Pohang, S. Korea

Sep. 2021 - Feb. 2024

- Advisor: Prof. Suha Kwak
- Cumulative GPA: 4.1 / 4.3

### Carnegie Mellon University

VISITING SCHOLAR

Pittsburgh, US

Jan. 2022 - Jul. 2022

- GPA: 4.0 / 4.0
- Classes: Machine Learning in Production, Intro to Deep Learning, Large Scale Multimedia Analysis, AI Methods for Social Goods

### University of North Carolina at Chapel Hill

EXCHANGE STUDENT

Chapel Hill, US

Aug. 2019 - Dec. 2019

- GPA: 3.75 / 4.0
- Classes: Intro Programming, Discrete Math, Probability I, Women and Music

### Korea University

B.S. IN MATHEMATICS

Seoul, S. Korea

Mar. 2015 - Aug. 2021

- Advisor: Prof. Seong Deog Yang
- Cumulative GPA: 3.98 / 4.5

## Experience

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### Naver Cloud

INTERN

Seongnam, S. Korea

Jan. 2023 - Jun. 2023

- Designed and implemented state-of-the-art spatio-temporal action localization models
- Documented model architectures, codebase, and project findings for knowledge sharing and future reference

### Mathematics Department, Korea University

RESEARCH ASSISTANT

Seoul, S. Korea

Mar. 2018 - Mar. 2019

- Developed basic skills in computer programming
- Mentor: Seong Deog Yang

### National Institute for Mathematical Science

INDUSTRIAL MATH ACADEMY

Seoul, S. Korea

Aug. 2018

- Participated in solving real industrial tasks: Predictive modeling for the number of electric vehicles in Jeju Island

## Publication

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- **Classification Matters: Improving Video Action Detection with Class-Specific Attention** 2024  
JINSUNG LEE, TAEOH KIM, INWOONG LEE, MINHO SHIM, DONGYOON WEE, MINSU CHO, AND SUHA KWAK  
*In Proc. of IEEE/CVF European Conference on Computer Vision (ECCV) (oral)*
- **Detector-Free Weakly Supervised Group Activity Recognition** 2022  
DONGKEUN KIM, JINSUNG LEE, AND SUHA KWAK  
*In Proc. of IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*

## Honors & Awards

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- 2019, 2020 **Asan Foundation Competitive Scholar**, Asan Foundation Seoul, S. Korea
- 2018 **Jinri Scholarship**, Korea University Seoul, S. Korea
- 2015 **Academic Excellence Scholarship**, Korea University Seoul, S. Korea

## Invited Talk

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- **The 2022 CMU K-12 Summit on Artificial Intelligence for Social Good** Pittsburgh, US  
Student Project Lightning Talks  
CARNEGIE MELLON UNIVERSITY Jul. 2022

## Teaching Experience

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- **Teaching Assistant in POSTECH**  
CSED539/AIGS539, Computer Vision (Fall 2022)