

Youngkil Song

INTEGRATED M.S & PH.D STUDENT @ COMPUTER VISION LAB.

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Research Interests

Computer Vision and Deep Learning

- Video Understanding
- Online Temporal Action Localization
- Video Group Activity Detection

Education

POSTECH(Pohang University of Science and Technology)

Pohang, S. Korea

INTEGRATED M.S & PH.D STUDENT IN ARTIFICIAL INTELLIGENCE

Mar. 2022 - Present

- Advisor: Prof. Suha Kawk
- Cumulative GPA: - (4.13) / 4.3

Hanyang University

Seoul, S. Korea

B.S. IN ELECTRONIC ENGINEERING

Mar. 2016 - Feb. 2022

- Advisor: Prof. Seongho Cho
- Cumulative GPA: 4.39 / 4.5

Experience

Business Intelligence & Strategy Lab, Hanyang University

Seoul, S. Korea

UNDERGRATED RESEARCHER

Mar. 2021 - Sep. 2021

- Develop a radar-based device that measures sleep quality and provides personalized sleep diagnose for each user with an accumulated checklist consisting of factors affecting individual sleep.
- Mentor: Seongho Cho

Publication

• Online Temporal Action Localization with Memory-augmented Transformer

2024

YOUNGKIL SONG*, DONGKEUN KIM*, MINSU CHO, AND SUHA KWAK

In Proc. of IEEE/CVF European Conference on Computer Vision (ECCV 2024)

• Towards More Practical Group Activity Detection: A New Benchmark and Model

2024

DONGKEUN KIM, YOUNGKIL SONG, MINSU CHO, AND SUHA KWAK

In Proc. of IEEE/CVF European Conference on Computer Vision (ECCV 2024)

Patent

• Memory-augmented Transformer Network for Online Temporal Action Localization

2023

YOUNGKIL SONG*, DONGKEUN KIM, MINSU CHO, SUHA KWAK

Korean Patent, KR10-2023-0177837

Honors & Awards

2016 Excellence Prize, Hanyang University	<i>Seoul, S. Korea</i>
2016 Academic Excellence Scholarship, Hanyang University	<i>Seoul, S. Korea</i>
2017 Excellence Prize, Hanyang University	<i>Seoul, S. Korea</i>
2017 Academic Excellence Scholarship, Hanyang University	<i>Seoul, S. Korea</i>
2020 Excellence Prize, Hanyang University	<i>Seoul, S. Korea</i>
2020 Hanyang Academic Top Prize, Hanyang University	<i>Seoul, S. Korea</i>
2020 National Science & Technology Scholarship, Republic of Korea	<i>Seoul, S. Korea</i>
2021 Excellence Prize, Hanyang University	<i>Seoul, S. Korea</i>
2021 Hanyang Academic Top Prize, Hanyang University	<i>Seoul, S. Korea</i>
2021 National Science & Technology Scholarship, Republic of Korea	<i>Seoul, S. Korea</i>
2022 X-Vision: Image Recognition in Extreme Environments, Samsung Future Technology Development	<i>Seoul, S. Korea</i>

Teaching Experience

- **Teaching Assistant in POSTECH**
CSE101, Programming Language (Fall 2023)