Minjoon Jung

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minjoong507

Research Interests

I have a broad interest in **multimodal reasoning** and **video understanding** and my focus is on how AI comprehends and learns from videos, as well as how it interacts with them. Recently, I have been working on developing techniques for temporal video understanding and fine-grained evaluations for trustworthy video comprehension.

Education

PhD **Seoul National University**, Interdisciplinary Program in Artificial Intelligence — Mar 2021 – Present
- Adviser: Prof. Byoung-Tak Zhang

BS **Chung-Ang University**, Software Engineering — Mar 2015 – Sep 2021
- Closely collaborated with Prof. Junseok Kwon

Experience

National University of Singapore @ CVML, Research Intern — Singapore, SG, Feb 2024 – Feb 2025
- Host: Prof. Angela Yao and Dr. Junbin Xiao

SNU-NAVER Hyperscale AI Center, Student Researcher — Seoul, KR, Sep 2021 – Sep 2023
- Host: Dr. Jin-Hwa Kim

Publications

C: conference, W: workshop, J: journal

[C4] On the Consistency of Video Large Language Models in Temporal Comprehension — Jun 2025
Conference on Computer Vision and Pattern Recognition (CVPR) 2025
Minjoon Jung, Junbin Xiao, Byoung-Tak Zhang, Angela Yao

[W3] Exploring Ordinal Bias in Action Recognition for Instructional Videos — Apr 2025
ICLR workshop on Spurious Correlation and Shortcut Learning 2025
Joochan Kim, Minjoon Jung, Byoung-Tak Zhang

[C3] Background-aware Moment Detection for Video Moment Retrieval — Feb 2025
Winter Conference on Applications of Computer Vision (WACV) 2025
Minjoon Jung, Youwon Jang, Seongho Choi, Joochan Kim, Jin-Hwa Kim, Byoung-Tak Zhang

[W2] Can Video Large Language Models Comprehend Language in Videos? — Dec 2024
NeurIPS Workshop on Video-Language Models 2024
Minjoon Jung, Junbin Xiao, Byoung-Tak Zhang, Angela Yao

[C2] PGA: Personalizing Grasping Agents with Single Human-Robot Interaction — Oct 2024
International Conference on Intelligent Robots (IROS) 2024 ***(Oral)***
Junghyun Kim, Gi-Cheon Kang, Jaein Kim, Seoyun Yang, Minjoon Jung, Byoung-Tak Zhang

[C1] Modal-specific Pseudo Query Generation for Video Corpus Moment Retrieval — Dec 2022
Empirical Methods in Natural Language Processing (EMNLP) 2022
Minjoon Jung, Seongho Choi, Joochan Kim, Jin-Hwa Kim, Byoung-Tak Zhang

[J1] Stagemix Video Generation using Face and Body Keypoints Detection — Apr 2022
Multimedia Tools and Applications (MTAP) 2022
Minjoon Jung, Seunghyun Lee, Eun-Seon Sim, Min-Ho Jo, Yu-Jin Lee, Hye-Bin Choi, Junseok Kwon

[W1] Toward a Human-Level Video Understanding Intelligence Nov 2021
AAAI Fall Symposium Series 2021
Yu-Jung Heo, Minsu Lee, Seongho Choi, Woo-Suk Choi, MinJung Shin, Minjoon Jung, Jeh-Kwang Ryu, Byoung-Tak Zhang

Honors & Awards

Grand Prize, Seoul National University Graduate School of AI Research Paper Contest — Dec 2024

Scholarship, Seoul National University Graduate School of AI — Mar 2021 - Feb 2023

Scholarship, Daewoong Foundation — Mar 2021 - Feb 2022

- Participate in education programs and real business projects.

Scholarship, Chung-Ang University School of Software Engineering — Mar 2015 - Feb 2021

Invited Talks

AI Seoul — Feb 2024

Seoul National University Graduate School of AI, School Symposium — Aug 2023

Seoul National University Graduate School of AI, Achievement Conference — Jul 2023

Seoul National University Artificial Intelligence Institute, Retreat — Nov 2022

Professional Services

Reviewer: EMNLP 2022-2023, ACL 2023-2024, CVPR 2024-2025, WACV 2025

References

Junseok Kwon — *Chung-Ang University*
Associate Professor, CTO HKLABS

Byoung-Tak Zhang — *Seoul National University*
Associate Professor, Chairman of AI Institute of Seoul National University

Angela Yao — *National University of Singapore*
Associate Professor

Junbin Xiao — *National University of Singapore*
Research Fellow