Minjoon Jung

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Research Interests

I have a broad interest in **multimodal reasoning** and **video understanding**. My focus is on how AI comprehends and learns from videos, as well as how it interacts with them. Especially, I've been focusing 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	
• The study on consistency in video temporal comprehension has been accepted by NeurIPS 2024 Workshop on Video-Language Models.	
SNU-NAVER Hyperscale AI Center, Student Researcher	Seoul, KR
	Sep 2021 – Sep 2023
• Host: Dr. Jin-Hwa Kim ⧉	
• The self-supervised learning framework for video retrieval has been accepted by EMNLP 2022.	

Publications

*C: conference, W: workshop, J: journal / *: equal contribution, †: equal advising*

[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