

Minjoon Jung

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Research Interests

I have a broad interest in AI systems that interact with **multimodal data (Language + X, where X includes vision, video, and robotics)**. My long-term research goal is to develop fine-grained, trustworthy multimodal AI agents that are both interpretable and highly efficient. Currently, I am focusing on how AI systems comprehend, learn from, and interact with videos — particularly by advancing methods for temporal video understanding and conducting fine-grained evaluations to enhance the reliability and trustworthiness of 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
 • Host: [Prof. Angela Yao](#) and [Dr. Junbin Xiao](#) Feb 2024 – Feb 2025
SNU-NAVER Hyperscale AI Center, Student Researcher Seoul, KR
 • Host: [Dr. Jin-Hwa Kim](#) Sep 2021 – Sep 2023
Daewoong AI & BIG DATA, Student Researcher Seoul, KR
 Mar 2021 – Feb 2022

Publications

C: conference, W: workshop, J: journal, P: preprint / *: equal contribution, †: corresponding author / 🔗: Link

[P2] Towards Video Large Language Models for View-Invariant Temporal Understanding May 2025
Preprint (Under review)
[Minjoon Jung](#), [Junbin Xiao](#)[†], [Junghyun Kim](#), [Byoung-Tak Zhang](#), [Angela Yao](#)
[P1] Exploring Video Large Language Models for Synchronized Ego-Exo Video Understanding May 2025
Preprint (Under review)
[Minjoon Jung](#), [Junbin Xiao](#)[†], [Junghyun Kim](#), [Byoung-Tak Zhang](#), [Angela Yao](#)
[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 🔗 <i>International Conference on Intelligent Robots (IROS) 2024 (Oral)</i> Junghyun Kim, Gi-Cheon Kang, Jaein Kim, Seoyun Yang, <u>Minjoon Jung</u> , Byoung-Tak Zhang [†]	Oct 2024
[C1] Modal-specific Pseudo Query Generation for Video Corpus Moment Retrieval 🔗 <i>Empirical Methods in Natural Language Processing (EMNLP) 2022</i> <u>Minjoon Jung</u> , Seongho Choi, Joochan Kim, Jin-Hwa Kim [†] , Byoung-Tak Zhang [†]	Dec 2022
[J1] Stagemix Video Generation using Face and Body Keypoints Detection 🔗 <i>Multimedia Tools and Applications (MTAP) 2022</i> <u>Minjoon Jung</u> , Seunghyun Lee, Eun-Seon Sim, Min-Ho Jo, Yu-Jin Lee, Hye-Bin Choi, Junseok Kwon [†]	Apr 2022
[W1] Toward a Human-Level Video Understanding Intelligence 🔗 <i>AAAI Fall Symposium Series 2021</i> Yu-Jung Heo, Minsu Lee, Seongho Choi, Woo-Suk Choi, MinJung Shin, <u>Minjoon Jung</u> , Jeh-Kwang Ryu, Byoung-Tak Zhang [†]	Nov 2021

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
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 🔗 Associate Professor, CTO HKLABS	Chung-Ang University
Byoung-Tak Zhang 🔗 Associate Professor, Chairman of AI Institute	Seoul National University
Jin-Hwa Kim 🔗 Leader of Generation Research and Neural 3D TF	Naver AI Lab
Angela Yao 🔗 Associate Professor	National University of Singapore
Junbin Xiao 🔗 Research Fellow	National University of Singapore