

# 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

### [P3] Confidence-guided Refinement Reasoning for Zero-shot Question Answering

Preprint (Under review), 2025

Youwon Jang, Woo-Suk Choi, [Minjoon Jung](#), Minsu Lee, Byoung-Tak Zhang

### [P2] Towards Video Large Language Models for View-Invariant Video Understanding

Preprint (Under review), 2025

[Minjoon Jung](#), [Junbin Xiao](#)<sup>†</sup>, [Junghyun Kim](#), [Il-Jae Kwon](#), Byoung-Tak Zhang, Angela Yao

### [P1] Exploring Video Large Language Models for Synchronized Ego-Exo Video Understanding

Preprint (Under review), 2025

[Minjoon Jung](#), [Junbin Xiao](#)<sup>†</sup>, [Junghyun Kim](#), Byoung-Tak Zhang, Angela Yao

### [C4] On the Consistency of Video Large Language Models in Temporal Comprehension 🔗

Conference on Computer Vision and Pattern Recognition (CVPR), 2025

[Minjoon Jung](#), [Junbin Xiao](#)<sup>†</sup>, Byoung-Tak Zhang, Angela Yao

### [W3] Exploring Ordinal Bias in Action Recognition for Instructional Videos 🔗

ICLR Workshop on Spurious Correlation and Shortcut Learning, 2025

Joochan Kim, [Minjoon Jung](#), Byoung-Tak Zhang<sup>†</sup>

### [C3] Background-aware Moment Detection for Video Moment Retrieval 🔗

Winter Conference on Applications of Computer Vision (WACV), 2025

[Minjoon Jung](#), Youwon Jang, Seongho Choi, Joochan Kim, [Jin-Hwa Kim](#)<sup>†</sup>, Byoung-Tak Zhang<sup>†</sup>

## [W2] Can Video Large Language Models Comprehend Language in Videos? [🔗](#)

NeurIPS Workshop on Video-Language Models, 2024

Minjoon Jung, Junbin Xiao<sup>†</sup>, Byoung-Tak Zhang, Angela Yao

## [C2] PGA: Personalizing Grasping Agents with Single Human-Robot Interaction [🔗](#)

International Conference on Intelligent Robots (IROS), 2024 (**Oral**)

Junghyun Kim, Gi-Cheon Kang, Jaein Kim, Seoyun Yang, Minjoon Jung, Byoung-Tak Zhang<sup>†</sup>

## [C1] Modal-specific Pseudo Query Generation for Video Corpus Moment Retrieval [🔗](#)

Empirical Methods in Natural Language Processing (EMNLP), 2022

Minjoon Jung, Seongho Choi, Joochan Kim, Jin-Hwa Kim<sup>†</sup>, Byoung-Tak Zhang<sup>†</sup>

## [J1] Stagemix Video Generation using Face and Body Keypoints Detection [🔗](#)

Multimedia Tools and Applications (MTAP), 2022

Minjoon Jung, Seunghyun Lee, Eun-Seon Sim, Min-Ho Jo, Yu-Jin Lee, Hye-Bin Choi, Junseok Kwon<sup>†</sup>

## [W1] Toward a Human-Level Video Understanding Intelligence [🔗](#)

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<sup>†</sup>

## Honors & Awards

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<b>Grand Prize</b> , Seoul National University Graduate School of AI Research Paper Contest	Dec 2024
<b>Scholarship</b> , Seoul National University Graduate School of AI	Mar 2021 - Feb 2023
<b>Scholarship</b> , Daewoong Foundation	Mar 2021 - Feb 2022
<b>Scholarship</b> , Chung-Ang University School of Software Engineering	Mar 2015 - Feb 2021

## Invited Talks

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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

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

## References

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<b>Junseok Kwon</b> <a href="#">🔗</a> Associate Professor, CTO HKLABS	Chung-Ang University
<b>Byoung-Tak Zhang</b> <a href="#">🔗</a> Associate Professor, Chairman of AI Institute	Seoul National University
<b>Jin-Hwa Kim</b> <a href="#">🔗</a> Leader of Generation Research and Neural 3D TF	Naver AI Lab
<b>Angela Yao</b> <a href="#">🔗</a> Associate Professor	National University of Singapore
<b>Junbin Xiao</b> <a href="#">🔗</a> Research Fellow	National University of Singapore