

# Minjoon Jung

📍 Seoul, South Korea    ✉ minjoon507@gmail.com    🔗 minjoong507.github.io    in minjoonjung  
 🔄 minjoong507

## 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

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|------------|---|---------------------|
| <b>BS</b>  | <b>Chung-Ang University</b> , Software Engineering                                      | Mar 2015 – Sep 2021 |
|            | • Closely collaborated with <a href="#">Prof. Junseok Kwon</a>                          |                     |
| <b>PhD</b> | <b>Seoul National University</b> , Interdisciplinary Program in Artificial Intelligence | Mar 2021 – Present  |
|            | • Adviser: <a href="#">Prof. Byoung-Tak Zhang</a>                                       |                     |

## Experience

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|---|---------------------|
| <b>National University of Singapore @ CVML</b> , Research Intern  | Singapore, SG       |
| • Host: <a href="#">Dr. Junbin Xiao</a> and <a href="#">Prof. Angela Yao</a>  | Feb 2024 – Feb 2025 |
| • Our study on consistency in video temporal comprehension has been accepted by NeurIPS 2024 Workshop on Video-Language Models. |                     |
| <b>SNU-NAVER Hyperscale AI Center</b> , Student Researcher  | Seoul, KR           |
| • Host: <a href="#">Dr. Jin-Hwa Kim</a>   | Sep 2021 – Sep 2023 |
| • Our study on self-supervised learning for video retrieval has been accepted by EMNLP 2022.                                    |                     |

## Publications

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| <b>On the Consistency of Video Large Language Models in Temporal Comprehension</b>  | Nov 2024 |
| <i>ArXiv, 2024</i><br><a href="#">Minjoon Jung</a> , Junbin Xiao, Byoung-Tak Zhang Angela Yao.  |          |
| <b>Background-aware Moment Detection for Video Moment Retrieval</b>   | Feb 2025 |
| <i>Winter Conference on Applications of Computer Vision (WACV), 2025</i><br><a href="#">Minjoon Jung</a> , Youwon Jang, Seongho Choi, Joochan Kim, Jin-Hwa Kim, Byoung-Tak Zhang  |          |
| <b>Can Video Large Language Models Comprehend Language in Videos?</b>   | Dec 2024 |
| <i>NeurIPS Workshop on Video-Language Models, 2024</i><br><a href="#">Minjoon Jung</a> , Junbin Xiao, Byoung-Tak Zhang Angela Yao.  |          |
| <b>PGA: Personalizing Grasping Agents with Single Human-Robot Interaction</b>   | Oct 2024 |
| <i>International Conference on Intelligent Robots (IROS) 2024, (Oral)</i><br>Junghyun Kim, Gi-Cheon Kang, Jaein Kim, Seoyun Yang, <a href="#">Minjoon Jung</a> , Byoung-Tak Zhang |          |
| <b>Modal-specific Pseudo Query Generation for Video Corpus Moment Retrieval</b>   | Dec 2022 |
| <i>Empirical Methods in Natural Language Processing (EMNLP), 2022</i><br><a href="#">Minjoon Jung</a> , Seongho Choi, Joochan Kim, Jin-Hwa Kim, Byoung-Tak Zhang                  |          |
| <b>Stagemix Video Generation using Face and Body Keypoints Detection</b>  | Apr 2022 |
| <i>Multimedia Tools and Applications (MTAP), 2022</i>   |          |

Minjoon Jung, Seunghyun Lee, Eun-Seon Sim, Min-Ho Jo, Yu-Jin Lee, Hye-Bin Choi, Junseok Kwon

**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

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Seoul National University Graduate School of AI Research Paper Contest, **Grand Prize**

Dec 2024

Seoul National University Graduate School of AI Scholarship

Mar 2021 - Feb 2023

Daewoong Foundation AI and Big Data Global Scholarship

Mar 2021 - Feb 2022

- Participate in education programs and real business projects.

Chung-Ang University Davinci Scholarship

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