

Research Interest

My research centers on multimodal understanding and generation, with a particular focus on Multimodal Large Language Models (MLLMs). I explore how multimodal context and text can be more effectively connected in AI systems, spanning both architectural innovations and evaluative methodologies.

Education

2023-26*	Ph.D. , Artificial Intelligence, Yonsei University <i>Advisor: Seon Joo Kim (present), Youngjae Yu (~ August 2025)</i>
2019-23	M.S. , Computer Engineering, Seoul National University <i>Advisor: Gunhee Kim</i>
2014-18	B.Sc. , Computer Science and Philosophy, Yonsei University <i>Double Major</i>

Research Experience

2025 Summer	Research Intern, Microsoft Research AI Frontiers
2024 Spring	Research Intern, LG AI Research
2023 Fall	Research Intern, Naver

Conference Papers

 [Google Scholar](#)

† → Equal contribution

- . ***Teaching Metric Distance to Discrete Autoregressive Language Models***
Jiwan Chung, Saejin Kim, Yongrae Jo, Jaewoo Park, Dongjun Min, Youngjae Yu
The Fourteenth International Conference on Learning Representations: ICLR 2026
- . ***Explain with Visual Keypoints Like a Real Mentor! A Benchmark for Multimodal Solution Explanation***
Jaewoo Park, Jungyang Park, Dongju Jang, **Jiwan Chung**, Byungwoo Yoo, Jaewoo Shin, Seon-joon Park, Taehyeong Kim, Youngjae Yu
The 40th Annual AAAI Conference on Artificial Intelligence: AAAI 2026
- . ***Are Any-to-Any Models More Consistent Across Modality Transfers Than Specialists?***
Jiwan Chung, Janghan Yoon, Junhyeong Park, Sangyeol Lee, Joowon Yang, Sooyeon Park, Young-jae Yu
Proceedings of the Association for Computational Linguistics: ACL 2025

*Expected.

- Speaking Beyond Language: A Large-Scale Multimodal Dataset for Learning Nonverbal Cues from Video-Grounded Dialogues*

Jiwan Chung†, Youngmin Kim†, Jisoo Kim, Sunghyun Lee, Sangkyu Lee, Junhyeok Kim, Cheoljong Yang, Youngjae Yu
Proceedings of the Association for Computational Linguistics: ACL 2025
- VAGUE: Visual Contexts Clarify Ambiguous Expressions*

Heejeong Nam, Jinwoo Ahn, Keummin Ka, Jiwan Chung, Youngjae Yu
Proceedings of the IEEE/CVF International Conference on Computer Vision: ICCV 2025
- VisEscape: A Benchmark for Evaluating Exploration-driven Decision-making in Virtual Escape Rooms*

Seungwon Lim, Sungwoong Kim, Jihwan Yu, Sungjae Lee, Jiwan Chung, Youngjae Yu
Proceedings of the Conference on Empirical Methods in Natural Language Processing: EMNLP 2025
- EgoSpeak: Learning When to Speak for Egocentric Conversational Agents in the Wild*

Junhyeok Kim, Minsoo Kim, Jiwan Chung, Jungbin Cho, Jisoo Kim, Sungwoong Kim, Gyeongbo Sim, Youngjae Yu
Findings of the Association for Computational Linguistics: NAACL Findings 2025
- Do LLMs Have Distinct and Consistent Personality? TRAIT: Personality Testset designed for LLMs with Psychometrics*

Seungbeen Lee, Seungwon Lim, Seungju Han, Giyeong Oh, Hyungjoo Chae, Jiwan Chung, Minju Kim, Beong-woo Kwak, Yeonsoo Lee, Dongha Lee, Jinyoung Yeo, Youngjae Yu
Findings of the Association for Computational Linguistics: NAACL Findings 2025
- MASS: Overcoming Language Bias in Image-Text Matching*

Jiwan Chung, Seungwon Lim, Sangkyu Lee, Youngjae Yu
The 39th Annual AAAI Conference on Artificial Intelligence: AAAI 2025
- CANVAS: Commonsense-Aware Navigation System for Intuitive Human-Robot Interaction*

Suhwan Choi, Yongjun Cho, Minchan Kim, Jaeyoon Jung, Myunchul Joe, Yubeen Park, Minseo Kim, Sungwoong Kim, Sungjae Lee, Hwiseong Park, Jiwan Chung, Youngjae Yu
IEEE International Conference on Robotics and Automation: ICRA 2025
- Towards Visual Text Design Transfer Across Languages*

Jiwan Chung†, Yejin Cho†, Sumin Shim, Giyeong Oh, Youngjae Yu
Advances in Neural Information Processing Systems, Datasets and Benchmarks: NeurIPS D&B 2024
- Selective Vision is the Challenge for Visual Reasoning: A Benchmark for Visual Argument Understanding*

Jiwan Chung†, Sungjae Leet, Minseo Kim, Seungju Han, Ashkan Yousefpour, Jack Hessel, Youngjae Yu
Proceedings of the Conference on Empirical Methods in Natural Language Processing: EMNLP 2024
- Can visual language models resolve textual ambiguity with visual cues? Let visual puns tell you!*

Jiwan Chung, Seungwon Lim, Jaehyun Jeon, Seungbeen Lee, Yu Youngjae
Proceedings of the Conference on Empirical Methods in Natural Language Processing: EMNLP 2024

- . *Language models as compilers: Simulating pseudocode execution improves algorithmic reasoning in language models*
 Hyungjoo Chae, Yeonghyeon Kim, Seungone Kim, Kai Tzu-iunn Ong, Beong-woo Kwak, Moohyeon Kim, Seonghwan Kim, Taeyoon Kwon, **Jiwan Chung**, Youngjae Yu
Proceedings of the Conference on Empirical Methods in Natural Language Processing: EMNLP 2024
- . *VLIS: Unimodal Language Models Guide Multimodal Language Generation*
Jiwan Chung, Youngjae Yu
Proceedings of the Conference on Empirical Methods in Natural Language Processing: EMNLP 2023
- . *Reading Books is Great, But Not if You Are Driving! Visually Grounded Reasoning about Defeasible Commonsense Norms*
 Seungju Han, Junhyeok Kim, Jack Hessel, Liwei Jiang, **Jiwan Chung**, Yejin Son, Yejin Choi, Youngjae Yu
Proceedings of the Conference on Empirical Methods in Natural Language Processing: EMNLP 2023
- . *Long Story Short: a Summarize-then-Search Method for Long Video Question Answering*
Jiwan Chung, Youngjae Yu
British Machine Vision Conference: BMVC 2023
- . *Fusing pre-trained language models with multimodal prompts through reinforcement learning*
Jiwan Chung†, Youngjae Yut, Heeseung Yun, Jack Hessel, Jae Sung Park, Ximing Lu, Rowan Zellers, Prithviraj Ammanabrolu, Ronan Le Bras, Gunhee Kim
Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition: CVPR 2023
- . *Acav100m: Automatic curation of large-scale datasets for audio-visual video representation learning*
Jiwan Chung†, Sangho Leet, Youngjae Yu, Gunhee Kim, Thomas Breuel, Gal Chechik, Yale Song
Proceedings of the IEEE/CVF International Conference on Computer Vision: ICCV 2021
- . *Transitional adaptation of pretrained models for visual storytelling*
Jiwan Chung†, Youngjae Yut, Heeseung Yun, Jongseok Kim, Gunhee Kim
Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition: CVPR 2021
- . *Character grounding and re-identification in story of videos and text descriptions*
 Youngjae Yu, Jongseok Kim, Heeseung Yun, **Jiwan Chung**, Gunhee Kim
European Conference on Computer Vision: ECCV 2020

Preprints

- . *Global Geometry Is Not Enough for Vision Representations*
Jiwan Chung, Seon Joo Kim
arXiv preprint arXiv:2602.03282 2026
- . *What MLLMs Learn about When they Learn about Multimodal Reasoning: Perception, Reasoning, or their Integration?*

Jiwan Chung, Neel Joshi, Pratyusha Sharma, Youngjae Yu, Vibhav Vineet
arXiv preprint arXiv:2510.01719 2025

- . **v1: Learning to Point Visual Tokens for Multimodal Grounded Reasoning**
Jiwan Chung, Junhyeok Kim, Siyeol Kim, Jaeyoung Lee, Min Soo Kim, Youngjae Yu
arXiv preprint arXiv:2505.18842 2025
- . **GuideDog: A Real-World Egocentric Multimodal Dataset for Blind and Low-Vision Accessibility-Aware Guidance**
Junhyeok Kim, Jaewoo Park, Junhee Park, Sangeyl Lee, **Jiwan Chung**, Jisung Kim, Ji Hoon Joung, Youngjae Yu
arXiv preprint arXiv:2503.12844 2025
- . **SEAL: Entangled White-box Watermarks on Low-Rank Adaptation**
Giyeong Oh, Saejin Kim, Woohyun Cho, Sangkyu Lee, **Jiwan Chung**, Dokyung Song, Youngjae Yu
arXiv preprint arXiv:2501.09284 2025
- . **HyperCLOVA X Technical Report**
Kang Min Yoo, Jaegeun Han, Sookyo In, Heewon Jeon, Jisu Jeong, Jaewook Kang, Hyunwook Kim, Kyung-Min Kim, Munhyong Kim, Sungju Kim, HyperCLOVA X Team
arXiv preprint arXiv:2404.01954 2024

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