

## Research Interest

My research goal is understanding how knowledge emerges and develops by replicating these processes in machines. Arguably, the most fundamental source of human knowledge lies in perception<sup>1</sup>, which forms the basis of how we interpret and learn from the world around us. To reflect this, my current focus is on multimodal artificial intelligence, where I explore challenges that arise from introducing multimodal inputs and outputs to large language models (LLMs).

## Education

- 2023-26\*     **Ph.D.**, Artificial Intelligence, Yonsei University  
              *Advisor: Youngjae Yu*
- 2019-23     **M.S.**, Computer Engineering, Seoul National University  
              *Advisor: Gunhee Kim*
- 2014-18     **B.Sc.**, Computer Science and Philosophy, Yonsei University  
              *Double Major*

## Publications

 [Google Scholar](#)

† → Equal contribution

- **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 2025*
- **Are Any-to-Any Models More Consistent Across Modality Transfers Than Specialists?**  
**Jiwan Chung**, Janghan Yoon, Junhyeong Park, Sangeyl Lee, Joowon Yang, Sooyeon Park, Youngjae Yu  
*Proceedings of the Association for Computational Linguistics: ACL 2025*
- **Speaking Beyond Language: A Large-Scale Multimodal Dataset for Learning Nonverbal Cues from Video-Grounded Dialogues**  
**Jiwan Chung**<sup>†</sup>, Youngmin Kim<sup>†</sup>, Jisoo Kim, Sunghyun Lee, Sangkyu Lee, Junhyeok Kim, Cheoljong Yang, Youngjae Yu  
*Proceedings of the Association for Computational Linguistics: ACL 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 2025*
- **Do LLMs Have Distinct and Consistent Personality? TRAIT: Personality Testset designed for LLMs with Psychometrics**

---

<sup>1</sup><https://plato.stanford.edu/entries/epistemology/#SourKnowJust>

\*Expected.

Seungbeen Lee, Seungwon Lim, Seungju Han, Giyeong Oh, Hyunjoo Chae, **Jiwan Chung**,  
Minju Kim, Beong-woo Kwak, Yeonsoo Lee, Dongha Lee  
*Findings of the Association for Computational Linguistics: NAACL 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 2025*
- . **Teaching Metric Distance to Autoregressive Discrete Foundational Models**  
**Jiwan Chung**, Saejin Kim, Jaewoo Park, Dongjun Min, Youngjae Yu  
*arXiv preprint arXiv 2024*
- . **Towards Visual Text Design Transfer Across Languages**  
**Jiwan Chung**<sup>†</sup>, Yejin Choi<sup>†</sup>, Sumin Shim, Giyeong Oh, Youngjae Yu  
*Advances in Neural Information Processing Systems, Datasets and Benchmarks 2024*
- . **Selective Vision is the Challenge for Visual Reasoning: A Benchmark for Visual Argument Understanding**  
**Jiwan Chung**<sup>†</sup>, Sungjae Lee<sup>†</sup>, Minseo Kim, Seungju Han, Ashkan Yousefpour, Jack Hessel, Youngjae Yu  
*Proceedings of the Conference on Empirical Methods in Natural Language Processing 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 2024*
- . **Language models as compilers: Simulating pseudocode execution improves algorithmic reasoning in language models**  
Hyunjoo 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 2024*
- . **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*
- . **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  
*arXiv preprint arXiv:2406.14703 2024*
- . **VLIS: Unimodal Language Models Guide Multimodal Language Generation**  
**Jiwan Chung**, Youngjae Yu  
*Proceedings of the Conference on Empirical Methods in Natural Language Processing 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 2023*
- . **Long Story Short: a Summarize-then-Search Method for Long Video Question Answering**  
**Jiwan Chung**, Youngjae Yu  
*British Machine Vision Conference 2023*

- ***Fusing pre-trained language models with multimodal prompts through reinforcement learning***  
**Jiwan Chung**<sup>†</sup>, Youngjae Yu<sup>†</sup>, 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 2023*
- ***Acav100m: Automatic curation of large-scale datasets for audio-visual video representation learning***  
**Jiwan Chung**<sup>†</sup>, Sangho Lee<sup>†</sup>, Youngjae Yu, Gunhee Kim, Thomas Breuel, Gal Chechik, Yale Song  
*Proceedings of the IEEE/CVF International Conference on Computer Vision 2021*
- ***Transitional adaptation of pretrained models for visual storytelling***  
**Jiwan Chung**<sup>†</sup>, Youngjae Yu<sup>†</sup>, Heeseung Yun, Jongseok Kim, Gunhee Kim  
*Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition 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 2020*

## Work Experience

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

---

Last updated: June 26, 2025