CURRICULUM VITAE

Jiaming Chen | Ph.D. Student at University of Manchester

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Education

Ph.D. in Computer Science	**Sep. 2024 - Present**
Department of Computer Science, The University of Manchester	*Manchester, UK*
Advisor: Dr. Wei Pan	
M. Sc. in Control Science and Engineering	**Sep. 2021 - Jul. 2024**
School of Control Science and Engineering, Shandong University	*Jinan, China*
Advisor: Prof. Wei Zhang	
B. Eng. in Automation	**Sep. 2017 - Jul. 2021**
School of Control Science and Engineering, Shandong University	*Jinan, China*

Publications

[1] Wentao Zhao*, **Jiaming Chen***, Ziyu Meng, Donghui Mao, Ran Song, Wei Zhang, "VLMPC: VisionLanguage Model Predictive Control for Robotic Manipulation, " Robotics: Science and Systems (RSS), 2024. [paper][code]

[2] **Jiaming Chen***, Weixin Luo*, Ran Song, Xiaolin Wei, Lin Ma, Wei Zhang, "Learning Point-Language Hierarchical Alignment for 3D Visual Grounding," *IEEE Transactions on Pattern Analysis and Machine Intelligence* (T-PAMI) under review. [arXiv][code]

[3] Hao Zhang*, **Jiaming Chen***, Jiyu Cheng, Yibin Li, Simon X. Yang, Wei Zhang, "Nowhere to Go: Benchmarking Multi-robot Collaboration in Target Trapping Environment," *IEEE Transactions on Industrial Electronics* (T-IE), 2023. [paper][code]

[4] Dewei Wang, **Jiaming Chen,** and Jiyu Cheng, "A Survey of Object Goal Navigation: Datasets, Metrics, and Methods," *IEEE International Conference on Mechatronics and Automation* (ICMA), 2023. [paper]

[5] **Jiaming Chen***, Weixin Luo*, Wei Zhang, Lin Ma, "Explore inter-contrast between videos via composition for weakly supervised temporal sentence grounding," *Proceedings of the AAAI Conference on Artificial Intelligence* (AAAI), 2022. [paper]

* These authors contributed equally to the work.

Internship Experience

Internship at Engram	**Jun. 2024 - Sep. 2024**
Position: Algorithm Research Internship	*Shanghai, China*
Mentor: Prof. Shenghua Gao	

- Researched algorithms for ultra-high resolution image encoding and segmentation.

Internship at Vision Intelligence Center, Meituan	**Apr. 2021 – Jan. 2023**
Position: Algorithm Research Internship	*Beijing, China*
Mentor: Dr. Weixin Luo, Dr. Lin Ma	

- Researched algorithms for video action detection and temporal sentence grounding;

- Deployed and validated algorithms on public datasets and company data for practicality;

- Authored a research paper presented at AAAI2022 and a patent.

Review Services

PC Member: AAAI 2024, AAAI 2023

Reviewer: ICRA 2025, ICRA 2024, ICRA 2023, CAC 2023, Pattern Recognition Letters

Contests

Champion of the ECCV 2022 ScanRefer Challenge	**Oct. 2022**
Second Prize, National Post-Graduate Mathematical Contest in Modeling, China	**Dec. 2021**
Champion of International Challenge on Intelligent Perception of Ocean Targets	**Dec. 2020**
4th place of 2nd ABC International Conference Cooking Activity Recognition Challenge	**Jun. 2020**

Honors

Huawei Scholarship	**Oct. 2022**
Outstanding Graduate Student of Shandong University	**Jun. 2022**
Special Freshman Scholarship, Shandong University	**Sep. 2021**
Undergraduate Academic Scholarship, Shandong University	**Sep. 2017 – Sep. 2019**

Skills

English: TOEFL Overall 90 (R: 24 L: 25 S: 20 W: 21)   **Languages**: Python, C/C++

Technologies/Frameworks: Linux, Git, Docker, PyTorch, Tensorflow, OpenCV, Open3D.