

CURRICULUM VITAE

Jiaming Chen

PhDing at The University of Manchester

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Education

Ph.D. in Computer Science

Department of Computer Science, The University of Manchester

Advisor: Dr. Wei Pan

Sep. 2024 – Present

Manchester, UK

M.Sc. in Control Science and Engineering

School of Control Science and Engineering, Shandong University

Advisor: Prof. Wei Zhang

Sep. 2021 – Jul. 2024

Jinan, China

B.Eng. in Automation

School of Control Science and Engineering, Shandong University

Sep. 2017 – Jul. 2021

Jinan, China

Publications

- [1] **Jiaming Chen***, Yiyu Jiang*, Aoshen Huang, Yang Li, Wei Pan, “VLM-SFD: VLM-Assisted Siamese Flow Diffusion Framework for Dual-Arm Cooperative Manipulation,” *IEEE Robotics and Automation Letters (RA-L)*, 2025. [[paper](#)][[project page](#)]
- [2] **Jiaming Chen**, Wentao Zhao, Ziyu Meng, Donghui Mao, Ran Song, Wei Pan, Wei Zhang, “Vision-Language Model Predictive Control for Manipulation Planning and Trajectory Generation,” *arXiv*, 2025. [[paper](#)][[code](#)]
- [3] Wentao Zhao*, **Jiaming Chen***, Ziyu Meng, Donghui Mao, Ran Song, Wei Zhang, “VLMPC: Vision-Language Model Predictive Control for Robotic Manipulation,” *Robotics: Science and Systems (RSS)*, 2024. [[paper](#)][[code](#)]
- [4] **Jiaming Chen***, Weixin Luo*, Ran Song, Xiaolin Wei, Lin Ma, Wei Zhang, “Learning Point-Language Hierarchical Alignment for 3D Visual Grounding,” *The 1st place at the ScanRefer Challenge on the ECCV 2022 Workshop - Language for 3D Scenes*. [[arXiv](#)][[code](#)]
- [5] 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](#)]
- [6] 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](#)]
- [7] **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

Algorithm Research Internship

TranscEngram

Mentor: Prof. Shenghua Gao

Jun. 2024 – Sep. 2024

Shanghai, China

Algorithm Research Internship

Vision Intelligence Center, Meituan

Mentor: Dr. Weixin Luo, Dr. Lin Ma

Apr. 2021 – Jan. 2023

Beijing, China

Review Services

Reviewer: ICRA 2026, HRI 2026, ICRA 2025, ICRA 2024, AAAI 2024, ICRA 2023, CAC 2023, AAAI 2023, Pattern Recognition Letters, Information Fusion

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

- UoM-CSC Joint Scholarships 2024
- Huawei Scholarship Oct. 2022
- Outstanding Graduate Student of Shandong University Jun. 2022
- Special Freshman Scholarship, Shandong University Sep. 2021
- Undergraduate Academic Scholarship, Shandong University 2017 – 2019