

# Xunzhe Zhou

(+86)180-9600-2356 · [zhouxunzhe.github.io](https://github.com/zhouxunzhe) · [xunzhe\\_zhou@outlook.com](mailto:xunzhe_zhou@outlook.com)

## Education

|                                                               |                   |
|---------------------------------------------------------------|-------------------|
| <b>The University of Hong Kong, Hong Kong</b>                 | 2025.09 – now     |
| • PhD, <i>Supervisors: Prof. Yanchao Yang and Prof. Yi Ma</i> | GPA 4.0/4.0       |
| <b>Fudan University, Shanghai, China</b>                      | 2020.09 – 2025.06 |
| • B.S. in Computer Science and Technology                     | GPA 3.55/4.0      |
| <b>University of California, Berkeley, CA, USA</b>            | 2023.08 – 2023.12 |
| • Exchange student, Department of EECS                        | GPA 4.0/4.0       |

## Publications

(\* denotes equal contribution)

- **Xunzhe Zhou\***, Y. Cai\*, F. Wang\*, R. Ju\*, H. Ren, R. Liu, Y. Zhang, Q. Luo, F. Chen, P. Zhou, Y. Ma, Y. Yang, “The Imitator Game: Benchmarking Robot Imitative Ability Beyond Action Prediction”, *CoRL 2026 and NeurIPS 2026 ODI Workshop Oral Presentation*.
- X. Yang, S. Yang, C. Wang, J. Xue, C. Yu, **Xunzhe Zhou**, S. Zhou, M. Tang, T. Jin, L. Yang, X. Yue, Z. Zhao, “Progressive Vision-Language Model Training Paradigm to Address Spatio-Temporal Hallucinations in Embodied Multi-Image Reasoning”, in submission.
- F. Chen, Z. Xu, T. Chu, **Xunzhe Zhou**, L. Sun, Z. Wu, S. Gao, Z. Li, Y. Yang, Y. Ma, “Generative Simulation for Dexterous Hands”, in submission.
- Q. Luo, R. Liu, P. Zhou, **Xunzhe Zhou**, Y. Yang, “Geometric Entropy: When Trajectory Diversity Helps and Hurts in Imitation Learning”, *IROS 2026*.
- H. Ren, P. Zhou, **Xunzhe Zhou**, Y. Yang, “DeTaCH: Decoupling Tasks and Control via a Meta-Gradient Hypernetwork”, *RSS 2026*.
- P. Zhou, W. Yao, Q. Luo, **Xunzhe Zhou**, Y. Yang, “Hyper-GoalNet: Goal-Conditioned Manipulation Policy Learning with HyperNetworks”, *NeurIPS 2025*.
- J. Zhou, R. Wu, Y. Liu, Y. Hou, **Xunzhe Zhou**, C. Yu, L. Zhong, L. Shao, “Bi-Adapt: Few-shot Bimanual Adaptation for Novel Categories of 3D Objects via Semantic Correspondence”, *ICRA 2026 Best paper award finalist on robot manipulation and locomotion*.
- J. Chen\*, C. Yu\*, **Xunzhe Zhou\***, T. Xu, Y. Mu, M. Hu, W. Shao, Y. Wang, G. Li, L. Shao, “EMOS: Embodiment-aware Heterogeneous Multi-robot Operating System with LLM Agents”, *ICLR 2025*.
- Q. He, J. Zeng, W. Huang, L. Chen, J. Xiao, Q. He, **Xunzhe Zhou**, J. Liang, Y. Xiao, “Can Large Language Models Understand Real-World Complex Instructions?”, *AAAI 2024*.
- H. Sun\*, **Xunzhe Zhou\***, R. Cao\*, J. Hou, C. Guan, and S. Leng, “Reservoir Computing as Digital Twins for Controlling Nonlinear Dynamical Systems”, *Nonlinear Dynamics*.

## Research Experience

|                                                                                                              |                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Shanghai AI Laboratory, Shanghai</b>                                                                      | <b>Shanghai, China</b>      |
| <i>Advisor: Prof. Biqing Qi and Yan Ding</i>                                                                 | 2024.12 – 2025.03           |
| • Scaling Laws in UMI data for skill-level robot manipulation generalization.                                |                             |
| <b>School of Computing, National University of Singapore</b>                                                 | <b>Singapore, Singapore</b> |
| <i>Advisor: Prof. Lin Shao</i>                                                                               | 2024.05 – 2024.12           |
| • (EMOS) A heterogeneous multi-robot collaborating system with LLM agents in Habitat-lab.                    |                             |
| • (Bi-Adapt) Bi-manual adaptation for novel objects with affordance extracted from vision foundation models. |                             |
| <b>Shanghai Key Laboratory of Data Science, Fudan University</b>                                             | <b>Shanghai, China</b>      |
| <i>Advisor: Prof. Yanghua Xiao</i>                                                                           | 2023.06 – 2023.08           |
| • (CELLO) Conducted a benchmark to evaluate LLMs’ capabilities of real-world complex instructions following. |                             |

## Honor & Awards

- Best paper award finalist of ICRA 2026
- Oral Presentation of NeurIPS 2026 Workshop on On-Device Intelligence
- Reviewer: NeurIPS(Top Reviewer), ICLR, CVPR, CoRL
- Winner of the Top Talent Award in Computer Science, Fudan University (“拔尖计划”)
- Second/Third prize of scholarship in Outstanding Students, Fudan University