

GUO JINGXIANG

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EDUCATION

National University of Singapore

Doctor of Philosophy (PhD)

- Advisor: Prof. Yan Shuicheng; Co-advisor: Prof. Jianshu Zhou

Aug. 2026 – Present

Singapore

Max Planck Institute for Informatics

Visiting Student

May. 2026 – Aug. 2026

Saarbrücken, Germany

National University of Singapore

Master of Computing in Artificial Intelligence

Aug. 2025 – Jul. 2026

Singapore

Shanghai Jiao Tong University

Visiting Student

May. 2025 – Aug. 2025

Shanghai, China

Harbin Institute of Technology, Shenzhen

Bachelor of Engineering in Automation

Sep. 2021 – Jul. 2025

Shenzhen, China

National University of Singapore

NGNE Program Exchange Student

Jul. 2024 – May. 2025

Singapore

RESEARCH EXPERIENCE

Language and Vision Lab (LV-Lab), NUS

PhD Student

Aug. 2026 – Present

Singapore

Human Computer Interaction Lab, MPI

Visiting Scholar

May. 2026 – Aug. 2026

Saarbrücken, Germany

CLeAR lab, NUS

Research Intern

- Developing a tactile foundation model for heterogeneous sensors.

Aug. 2025 – May. 2026

Singapore

ScaleLab, SJTU

Research Intern

- Developed a vision-tactile data collection pipeline to support a benchmark towards foundation visuo-tactile policy learning.

May. 2025 – Aug. 2025

Shanghai, China

LinS Lab, NUS

Research Assistant

- Developed a user-friendly teleoperation data collection system, a cross-embodiment dexterous grasping method, and a world model-driven Vision-Language-Object-Action model.

Jul. 2024 – May. 2025

Singapore

RLGroup Lab, HITsz

Research Assistant

- Investigated Adaptive Logarithmic Basis Policy Gradient algorithms and proposed a Multi-agent Reinforcement Learning method to improve locomotion learning for a single quadruped robot.

Oct. 2022 – Jun. 2024

Shenzhen, China

EMPLOYMENT EXPERIENCE

Tencent

Data Scientist Intern

- Built a player base agent for a game-world simulation, using a three-stage pipeline (domain vocabulary expansion, action-history SFT for action prediction, and GRPO on full logs) to support live-ops outcome forecasting and player churn analysis.

Dec. 2025 – Apr. 2026

Singapore

Autolife Robotics

Robot Software System Intern

- Working on wheel-based humanoid software system development and implementation.

Aug. 2025 – Nov. 2025

Singapore

Horizon Robotics

Cloud Platform Intern

- Participated in conducting a workshop on benchmarking generalizable bimanual manipulation using the RoboTwin platform.

Jun. 2025 – Aug. 2025

Shanghai, China

SELECTED PUBLICATIONS

1. Haonan Chen*, **Jingxiang Guo***, Bangjun Wang, Tianrui Zhang, Xuchuan Huang, Boren Zheng, Yiwen Hou, Chenrui Tie, Jiajun Deng, Lin Shao, “**Goal-VLA: Image-Generative VLMs as Object-Centric World Models Empowering Zero-shot Robot Manipulation**”. Accepted to ICRA 2026.
2. **Jingxiang Guo***, Jiayu Luo*, Zhenyu Wei*, Yiwen Hou, Zhixuan Xu, Xiaoyi Lin, Chongkai Gao, Lin Shao, “**TelePreview: A User-Friendly Teleoperation System with Virtual Arm Assistance for Enhanced Effectiveness**”. Accepted to ICRA 2025 @ Human-Centric Multilateral Teleoperation, **Best Paper Award**.
3. Zhenyu Wei*, Zhixuan Xu*, **Jingxiang Guo**, Yiwen Hou, Chongkai Gao, Zhehao Cai, Jiayu Luo, Lin Shao, “ **$\mathcal{D}(\mathcal{R}, \mathcal{O})$ Grasp: A Unified Representation of Robot and Object Interaction for Cross-Embodiment Dexterous Grasping**”. Accepted to ICRA 2025 (**Best Paper Award on Robot Manipulation and Locomotion**); CoRL 2024 @ MAPoDeL, **Best Robotics Paper Award & Oral Presentation**; CoRL 2024 @ LFDM, **Spotlight Presentation**.

Full publication list: <https://scholar.google.com/citations?user=JEjiaq0AAAAJ>

AWARDS

ICRA 2025 Best Paper Award on Robot Manipulation and Locomotion	May 2025
Best Robotics Paper Award at CoRL 2024 Workshop on MAPoDeL	Nov 2024
Best Paper Award at ICRA 2025 Workshop on Human-Centric Multilateral Teleoperation	May 2025
Best Demo Award Finalist at IROS 2025 Workshop on Contact and Impact-aware Manipulation	Jun 2025

MISCELLANEOUS

Languages: English (IELTS 7.5, GRE 321), Chinese (Native)

Academic Service: Reviewer for ICRA 2025, ICRA 2026, RA-L, IROS 2025, CVPR 2025

Programming: Python, C/C++, MATLAB, HTML, CSS, JavaScript

Tools: SOLIDWORKS, ROS, PCB Design, STM32, Arduino, WebXR, \LaTeX

Interests: Trekking and climbing