

GUO JINGXIANG

☎ (+65) 81919157

✉ jingxiangguo@u.nus.edu

🌐 [linkedin.com/in/borisguo](https://www.linkedin.com/in/borisguo)

🐙 github.com/BorisGuo6

🌐 jingxiangguo.com

EDUCATION

National University of Singapore

Master of Computing in Artificial Intelligence

Aug. 2025 – Present

Singapore

Harbin Institute of Technology, Shenzhen

Bachelor of Engineering in Automation — GPA: 3.7/4.0 (Ranking: Top 20%)

Sep. 2021 – Jul. 2025

Shenzhen, China

National University of Singapore

NGNE Program

Jul. 2024 – May. 2025

Singapore

RESEARCH EXPERIENCE

RLGroup Lab, HITsz

Research Assistant — Advisor: Yanjie Li

Oct 2022 – Jun 2024

Shenzhen, China

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

LinS Lab, NUS

Research Assistant — Advisor: Lin Shao

Jul 2024 – May 2025

Singapore

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

ScaleLab, SJTU

Research Intern — Advisor: Yao Mu

May 2025 – Aug 2025

Shanghai, China

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

CleAR lab, NUS

Research Intern — Advisor: Harold Soh

Aug 2025 – Present

Singapore

- Developing a tactile foundation model for heterogeneous sensors.

EMPLOYMENT EXPERIENCE

Horizon Robotics

Cloud Platform Intern — Mentor: Yusen Qin

Jun 2025 – Aug 2025

Shanghai, China

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

Autolife Robotics

Robot Software System Intern — Mentor: Siwei Chen

Aug 2025 – Present

Singapore

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

SELECTED PUBLICATIONS

- 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". Poster Presentation, IROS 2025 @ Human-in-the-loop Robot Learning [\[Web\]](#)
- 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**. [\[Web\]](#)
- 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". ICRA 2025 (**Best Paper Award on Robot Manipulation and Locomotion**); CoRL 2024 @ MAPoDeL, **Best Robotics Paper Award** & Oral Presentation; CoRL 2024 @ LFDM, **Spotlight Presentation**. [\[Web\]](#)

AWARDS

Best Robotics Paper Award in CoRL 2024 @ MAPoDeL

Nov 2024

National First Prize in RoboMaster University Championship (RMUC)

Mar 2023

National First Prize in The 6th China Intelligent Robots Innovation Competition

Jul 2023

Provincial First Prize in China Undergraduate Mathematical Contest in Modeling (CUMCM)

Sep 2023

Honorable Mention in Mathematical Contest in Modeling (MCM)

Mar 2023

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