

Feiyu Jia

✉ feiyujia635@gmail.com | 🏠 Trap-1.github.io | 📱 Trap-1 | 🎓 Feiyu Jia

Education

Shanghai AI Laboratory & University of Science and Technology of China

PH.D. IN CONTROL SCIENCE AND ENGINEERING

Hefei, China

Aug. 2025 - Present

Northwestern Polytechnical University

B.ENG. IN AUTOMATION

Xi'an, China

Aug. 2021 - Jul. 2025

• GPA: 3.96/4.1; Rank: 2/152

Research Experience

Shanghai Artificial Intelligence Laboratory

INTERN AT INTERN ROBOTICS, ADVISED BY DR. JIANGMIAO PANG AND DR. JINGBO WANG

Shanghai, China

Aug. 2024 - Present

• Research Topics: Dexhand & Humanoid Teleoperation, Humanoid Locomotion Control.

Publications

(*Equal Contribution, †Corresponding Author)

CONFERENCE

[C5] Feel Robot Feels: Tactile Feedback Array Glove for Dexterous Manipulation

Feiyu Jia*, Xiaojie Niu*, Sizhe Yang*, Qingwei Ben, Tao Huang, Feng zhao†, Jingbo Wang†, Jiangmiao Pang†
Under Review, 2026 [Paper] [Website] [Code]

[C4] HOMIE: Humanoid Loco-Manipulation with Isomorphic Exoskeleton Cockpit

Qingwei Ben*, **Feiyu Jia***, Jia Zeng, Junting Dong, Dahua Lin†, Jiangmiao Pang†
Robotics: Science and Systems (RSS), 2025(Oral Presentation) [Paper] [Website] [Code]

[C3] Gallant: Voxel grid-based humanoid locomotion and local-navigation across 3d constrained terrains

Qingwei Ben*, Botian Xu*, Kailin Li*, **Feiyu Jia**, Wentao Zhang, Jingping Wang, Jingbo Wang†, Dahua Lin†, Jiangmiao Pang†
Conference on Computer Vision and Pattern Recognition (CVPR), 2026 [Paper] [Website] [Code]

[C2] One-Policy-Fits-All: Geometry-Aware Action Latents for Cross-Embodiment Manipulation

Juncheng Mu*, Sizhe Yang*, Hojin Bae, **Feiyu Jia**, Qingwei Ben, Boyi Li†, Huazhe Xu†, Jiangmiao Pang†
International Conference on Robotics and Automation (ICRA), 2026 [Paper] [Website]

[C1] TeleOpBench: A Simulator-Centric Benchmark for Dual-Arm Dexterous Teleoperation

Hangyu Li*, Qin Zhao Xu*, Haoran Xu, Xinyu Jiang, Qingwei Ben, **Feiyu Jia**, Haoyu Zhao, Liang Xu, Jia Zeng, Hanqing Wang, Bo Dai, Junting Dong†, Jiangmiao Pang†
Under Review, 2025 [Paper] [Website] [Code]

Honors & Awards

National Scholarship Top1.5%, Highest Honor for undergraduates in China.

2023 - 2024

Champion in RoboCup China Top3%, RoboCup Dance Robot Competition

2023

First Prize in RoboCup China Top6%, Dance Robot performance Competition

2023

Meritorious Winner, U.S. Mathematical Contest in Modeling Top7%

2022

First Class Scholarship at NPWU Top5%

2022-2024

Skills

Programming Python, C/C++, LaTeX, Keil, Altium Designer

Hardware & Embedded Mechanical Design, PCB Layout, Schematic Design

Languages Mandarin (Native), English