

Jiarui Li

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EDUCATION

Massachusetts Institute of Technology (MIT)
Ph.D. in Systems Engineering

Cambridge, MA
Sep 2024 – present

Peking University (PKU)
B.E. in Robotics Engineering with Honors

Beijing, China
Sep 2019 – Jul 2024

RESEARCH APPOINTMENTS

Zardini Lab, LIDS & CEE, Massachusetts Institute of Technology
Graduate Student Research Assistant, Advisor: [Prof. Gioele Zardini](#)

Cambridge, MA
Sep 2024 - present

Computational Robotics Lab, SEAS, Harvard University
Undergraduate Visiting Researcher, Advisor: [Prof. Heng Yang](#)

Boston, MA
Jul 2023 - Feb 2024

Peking University & State Key Laboratory of General Artificial Intelligence
Undergraduate Research Intern in Robotics Lab, Advisor: [Dr. Hangxin Liu](#)

Beijing, China
Jan 2022 - Jun 2023

HONORS & AWARDS SELECTION

Grand Challenges Scholar Award from <i>Peking University</i>	2024
Honor Graduates from <i>Peking University</i>	2024
The Schoettler Fellowship from <i>MIT CEE</i>	2024
Best Paper Award Finalist on Mobile Manipulation from <i>IEEE IROS</i>	2023
National Scholarship from <i>Peking University</i>	2023
Pacemaker to University Merit Student from <i>Peking University</i>	2023
University Merit Student from <i>Peking University</i>	2022
Schneider Scholarship from <i>College of Engineering, Peking University</i>	2022

PUBLICATIONS (*indicates co-first authors)

- [C3] Yao Su*, **Jiarui Li***, Ziyuan Jiao*, Meng Wang, Chi Chu, Yixin Zhu, Hangxin Liu, “Planning Sequential Aerial Manipulation for Over-actuated UAMs”, in *Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2023.
- [J2] - **Extended version submitted to *Transactions on Robotics (T-RO)*, under review**
- **[Best Paper Award Finalist on Mobile Manipulation at IROS 2023](#)**
- *Poster Presented at Northeast Robotics Colloquium (NERC) 2023*
- [C2] Meng Wang*, Yao Su*, Hang Li, **Jiarui Li**, Jixiang Liang, Hangxin Liu, “Aggregating Single-wheeled Mobile Robots for Omnidirectional Movements”, in *Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2023.
- [J1] Wanlin Li*, Meng Wang*, **Jiarui Li**, Yao Su, Devesh K. Jha, Xinyuan Qian, Kaspar Althoefer, Hangxin Liu, “L3F-TOUCH: A Light-weight, Low-cost and WireLess GelSight Sensor with Extended Three-axis Force Sensing”, *IEEE Robotics and Automation Letters (RA-L)*, 2023.
- [C1] Yao Su*, Chi Chu*, Meng Wang, **Jiarui Li**, Yang Liu, Yixin Zhu, Hangxin Liu, “Downwash-aware Control Allocation for Over-actuated UAV Platforms”, in *Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2022.

SKILLS

Language: **Chinese (Mandarin)** Native, **English** Full Professional Proficiency

Programming: Python, C/C++, MATLAB & Simulink, Embedded System (Arduino, STM32)

AI & Robotics: PyTorch, ROS, Gazebo, PyBullet, Webots, SolidWorks, Moveit!, OpenCV, Crazyflie, UR, Kinova and Franka Manipulator Programming

PERSONAL ACTIVITIES

Reviewer for Conferences

Conference on Neural Information Processing Systems (NeurIPS)

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)

IEEE International Conference on Automation Science and Engineering (CASE)

Last Updated: Jun 2024