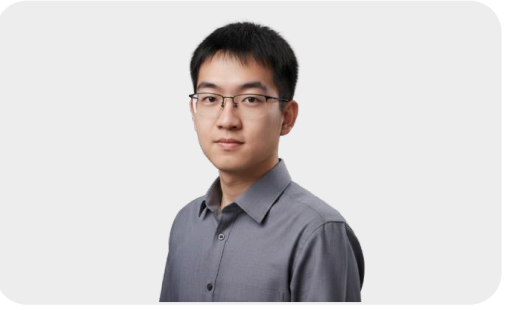
# Yipeng Li

## Algorithm Research Intern

**Tel:** +86 18018702580 **Web:** github.com/LucioYipengLi
**Email:** Lucio.YipengLi@outlook.com **Language:** English(CET-6)



## Experience

2024.05 - 2024.07

### Beijing Zhiqiao Intelligent Technology Co., Ltd.

Motion Control Algorithm Engineer | Project Leader

- System Design: Architected and developed a VR-based teleoperation system, implementing a modular stack including network communication, VR visualization, and edge-side control layers.
- Motion Optimization: Developed and validated motion planning algorithms for compact robotic manipulators, specifically optimizing trajectory smoothness and execution stability.

2024.03 - 2024.08

### Color Pepper Harvester, Competitive Project

Computer Vision Engineer | Member

- Analyze the visual requirements of the project, implement the recognition of ripe bell peppers through the Yolo algorithm framework, and cooperate with the robotic arm to achieve precise picking.

2025.12 - present

### Multi Terrain Exoskeleton Vision, Paper Project

Project Leader

- Design and construct a visual system for multi-terrain recognition, predict terrain information through deep learning and feed it back to the control system, enabling the exoskeleton system to predict in advance and make reasonable auxiliary actions.
- Organize team members and deeply participate in the design and construction of the control system as well as the writing of the thesis.

## Education

2025.09 - Present

### Shenzhen University, Professional Master

Mechanical Engineering

GPA 3.36/4.0 | Advanced Engineering Mathematics (96.5/100.0)

2021.09 - 2025.06

### Shenzhen Technology University, Bachelor

Electronic Science and Technology

GPA 3.5/4.5 (Top 16%) | Advanced Language Programming (97/100)

## Skills

**Knowledge Domains:**

- Robotics (Task And Motion Planning)
- Deep Learning (CV or Trajectory)
- Cognitive Science(Robotics Field)

**Code Skill & Tools:**

- Python (PyCharm & Zed)
- CLI (Bash & Powershell)
- Git
- Simulator (CoppeliaSim & Genesis)

**Other Skills:**

- Thesis Writing ( Latex )
- Project Management
- AI-driven Programming

## Awards & Papers

Award | 2025.09

**First Prize of Academic Scholarship for the 2025 Master's Degree Class**

Award | 2024

**Third Prize of the Craftsman Star Award**

Award | 2024

**The First Prize in the Final of the 11th National Undergraduate Mechanical Innovational Competition**

Award | 2023

**The Second Prize of The 2023 Guangdong Provincial College Student Engineering Practice and Innovation Ability Competition**

Award | 2023

**Best Paper Award in Industrial Manufacturing - 2023 IEEE International Conference on Robotics and Biomimetics (ROBIO)**

Paper | 2024

**“A novel moving strategy of teleoperating manipulation via exo-gloves”**

-- 2024 International Conference on Intelligent Robotics and Applications (ICIRA)

Ppaer | 2023

**“A Novel Mobile 3D Printing Robot Incorporating a Planar Five-bar Mechanism”**

-- 2023 IEEE International Conference on Robotics and Biomimetics (ROBIO)