

Jialong Liu

22 years old | Male

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Education

Sep. 2021 - Jun 2025
Guangdong University of Technology(GDUT) Major in Robot Engineer,School of Automation (Bachelor)
GPA:83.3/100
Coursework: Robotics , Machine learning , Image Processing and Machine Vision , Robot Operating System,Principle of automatic control , Humanoid Robotics, ROS control , Adams Kinematic Simulation, Programming, Signals and Systems

Internship experience

Apr 2025 - May 2025
Botyard ai Robotic Software Engineer
1. Led ROS development for dexterous hand and UR16e robotic arm using ros2_control framework.
2. Implemented motion control, sensor data processing, and communication modules for the dexterous hand.

Research experience

Jun 2025 - Present
The HongKong university of Science and Technology Research Assistant
During my work at The Hong Kong University of Science and Technology (Guangzhou), I collaborated with Professor Changhao Chen, focusing primarily on research into robotic control algorithms and the deployment of unmanned systems for the project team.

Project experience

Dec 2024	Spherical Robot Control: Emergency Response via Spherical - Ducted UAV Integration
Jun 2024	Robocon: R2 robot decision - making, positioning & navigation algo construction
Feb 2024	Robocon , Control architecture design for the R1 robot
Nov 2023	A sports and health analyzer based on CNN-LSTM
Jul 2023	Manipulator control, sensor collection, model building for smart med - arms
Mar 2023	Robocon: Rabbit robot behavior tree strategy design & ros_control arch migration
Dec 2022	Robocon: Elephant Robotics' robots - steering wheel chassis control & path planning
Sep. 2022	Robot Basic Competition: 2D radar algorithm design and control code development
Feb 2022	Design of control program and visual solution for logistics terminal delivery vehicles
Nov 2021	Patrol Trolley Based on Digital Logic Circuit

Honors & Awards

First prize,the 22nd National College Student Robot Competition (ROBOCON)
Second prize, the 23rd National College Student Robot Competition(ROBOCON) Operation Challenge
Third prize,the 23rd National College Student Robot Competition(ROBOCON) Programming Challenge
National Second prize,the 2024 RoboCom Robot Developer Competition
Guangdong Province first prize,China Robot and Artificial Intelligence Competition
Second prize,the Guangdong University Student Computer Works Competition
Guangdong University of Technology annual outstanding student third-class scholarship 2022-2023

CET4

CET6

Technical Proficiency

Programming & Development : C/C++ ,Python,JavaScript,Matlab,Visual Studio,PyCharm,STM32,Linux Ubuntu,ROS,ML,RL.