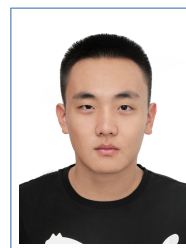


Ruize He

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🌐 horizonll.github.io

🌐 Horizonll



Education

2023–Present **School of Vehicle and Mobility, Tsinghua University (THU)**
B.E. Student in Vehicle Engineering

Research

Research Interests

Deep Learning

Robotics

Research Experience

12/2024– **LEAP Lab**, Department of Automation, THU

Present Network Architecture for Foundation Models

Advisor: Prof. Gao Huang

03/2024– **iDLab**, School of Vehicle and Mobility, THU

05/2025 Robot Localization

Advisor: Prof. Shengbo Eben Li

Awards and Scholarships

2025	RoboCup 2025, Humanoid League KidSize	2nd Place
2025	RoboCup 2025, Humanoid League AdultSize	4th Place
2025	Toyota × Future Mobility Innovation Challenge	1st Prize
2025	RoboCup China Open 2025, Humanoid League	Champion
2025	Challenge Cup, THU	2nd Prize
2024	Global Campus AI Algorithm Elite Competition, China	1st Prize
2024	Global Campus AI Algorithm Elite Competition, Beijing	1st Place
2024	Chen Xiaoyue Scholarship, THU	
2024	Hardware Design Competition, THU	3rd Prize
2024	Hardware Design Competition People's Livelihood Track, THU	1st Prize
2024	RoboCup 2024, Humanoid League KidSize	TOP 8
2024	Intelligent Vehicle Competition, THU	1st Prize
2024	RoboCup China Open 2024, Humanoid League	Champion
2024	Intelligent Vehicle Competition, THU	Excellence Award

Professional Activities

Teaching Assistant

- Fall 2025 **Humanoid Soccer Robot**
 - Spring 2025 **Intelligent Car**
 - Fall 2024 **Humanoid Soccer Robot**
 - Fall 2024 **Exploration to Scientific Research of Lab**
- Decision Group Leader, THMOS
- 09/2024– *THMOS, a RoboCup Team of THU*
- 07/2025 - Lead the decision group to develop multi-robot decision-making algorithms of the humanoid soccer robots
- Developing robotic motion with reinforcement learning

The World Humanoid Robot Games Referee

Skills

Python, C/C++, ROS, Linux, PyTorch, Ascend C