

Ruize He | 何睿泽

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EDUCATION

Bachelor of Engineering in Vehicle Engineering

August 2023 - Present

School of Vehicle and Mobility, Tsinghua University

SKILLS AND INTERESTS

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

Interests Robotics, Multimodal Large Language Model, Autonomous Driving

RESEARCH EXPERIENCE

iDLab, School of Vehicle and Mobility, THU

March 2024 - Present

Advisor: Prof. Shengbo Eben Li

- Robot Localization, Reinforcement Learning

LEAP Lab, Department of Automation, THU

December 2024 - Present

Advisor: Prof. Gao Huang

- Efficient Multimodal Large Language Model

PROFESSIONAL ACTIVITIES

Decision and Perception Group Leader, THMOS

September 2024 - Present

THMOS, a RoboCup Team of THU

- Lead the decision and perception group to develop multi-robot decision-making, object detection and localization algorithms of the soccer robots
- Teach robotics basics

TA for Humanoid Soccer Robot

September 2024 - Present

- Teach robot decision-making

TA for Intelligent Car

February 2025 - Present

- Teach image processing and deep learning

AWARDS AND SCHOLARSHIPS

Global Campus Algorithm Elite Competition on Artificial Intelligence (China), First Prize

November 2024

Global Campus Algorithm Elite Competition on Artificial Intelligence (Beijing), First Prize

October 2024

Chen Xiaoyue Scholarship

October 2024

Hardware Design Competition People's Livelihood Track, First Prize

September 2024

Hardware Design Competition, Third Prize

September 2024

RoboCup 2024, Humanoid League KidSize, Quarterfinalist

July 2024

RoboCup 2024, Humanoid League AdultSize, 5th Place

July 2024

Intelligent Vehicle Competition, First Prize

June 2024

RoboCup China Open 2024, Humanoid League, Champion

May 2024

Intelligent Vehicle Competition, Excellence Award

January 2024