

ZHIHAO WANG

✉ nocap.wzh@gmail.com · ☎ (+86) 176-965-96969 · 🎂 Birthday: 05/28/2002

🎓 EDUCATION

Peking University, Beijing, China

Sep. 2024 – Present

- *M.Eng.* in College of Advanced Manufacturing and Robotics, expected June 2027
- Advised by: Professor Junzhi Yu (IEEE fellow)

Harbin Institute of Technology, Shandong, China

Sep. 2020 – Jun. 2024

- *B.Eng.* in Intelligent Vehicle Engineering, expected June 2024
- GPA:**92.36**/100 Rank:**3**/73 Top:**4.1**% TOEFL:**99** CET6:**639**
- Major courses: Linear Algebra and Analytic Geometry, Calculus, Circuits and Electronics, Environment Perception of Intelligent Vehicle, Planning and Decision-Making for Intelligent Vehicle, Structure of Automobile, Automatic Control Principle

📄 PUBLICATIONS

Robo-MUTUAL: Robotic Multimodal Task Specification via Unimodal Learning ICRA 2025

Jianxiong Li*, Zhihao Wang*, Jinliang Zheng*, Xiaoi Zhou, Guanming Wang, Guanglu Song, Yu Liu, Jingjing Liu, Ya-Qin Zhang, Junzhi Yu, Xianyuan Zhan

Universal Actions for Enhanced Embodied Foundation Models

CVPR 2025

Jinliang Zheng*, Jianxiong Li*, Dongxiu Liu*, Yinan Zheng, Zhihao Wang, Zhonghong Ou, Yu Liu, Jingjing Liu, Ya-Qin Zhang, Xianyuan Zhan

Efficient Robotic Policy Learning via Latent Space Backward Planning

ICML 2025

Dongxiu Liu*, Haoyi Niu*, Zhihao Wang, Jinliang Zheng, Yinan Zheng, Zhonghong Ou, Jianming Hu, Jianxiong Li, Xianyuan Zhan

A Novel ViDAR Device with Visual Inertial Encoder Odometry and Reinforcement Learning-Based Active SLAM Method

IEEE Transactions on Industrial Informatics (IF 11.7), 2025

Zhanhua Xin, Zhihao Wang, Yan Xiong, Shaoan Wang, Junzhi Yu

😊 EXPERIENCES

Institute for AI Industry Research (AIR), Tsinghua University

Jun. 2024 – Present

Student research intern, Beijing, China

Advised by: Xianyuan Zhan

Machine Intelligence Lab, College of Engineering, Peking University

Oct. 2023 – May. 2024

Research Assistant, Beijing&&Shandong, China

Advised by: Junzhi Yu

Harbin Institute of Technology's Formula Student Driverless Team

Feb. 2021 – Sep. 2023

Team leader of perception group, Shandong, China

Advised by: Jianfeng Wang

🏆 HONORS AND AWARDS

National Undergraduate Scholarship

Oct. 2023

Outstanding Graduates of Shandong Province

Dec. 2023

1st Prize, Twice, Award on Formula Student Autonomous China

2022

⚙️ MISCELLANEOUS

- Something familiar with: Python, Shell, HTML, LaTeX, Copilot, ROS(1&&2), robot arms (Airbot, AgileX)
- Personal webpage: zh1hao.wang
- Takeaway: An indefatigable youth passionate about learning more and widen his worldview about AI.