

ZHIIHAO WANG

✉ zh1haowang@stu.pku.edu.cn · 📅 Birthday: 05/28/2002 · 🌐 Personal page: zh1hao.wang

🎓 EDUCATION

Peking University, Beijing, China

Sep. 2024 – Present

- *M.Eng.* in Mechanical Engineering, expected **June 2027**
- Advised by: Professor Junzhi Yu (IEEE fellow)

Harbin Institute of Technology, Shandong, China

Sep. 2020 – Jun. 2024

- *B.Eng.* in Intelligent Automotive Engineering
- 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

X-VLA: Soft-Prompted Transformer as Scalable Cross-Embodiment Vision-Language-Action Model **Champion @ AgiBot World Challenge @ IROS 2025**, Preprint

Jinliang Zheng*, Jianxiong Li*, **Zhihao Wang**, Dongxiu Liu, Xirui Kang, Yuchun Feng, Yinan Zheng, Jiayin Zou, Yilun Chen, Jia Zeng, Ya-Qin Zhang, Jiangmiao Pang, Jingjing Liu, Tai Wang, Xianyuan Zhan

PhysiAgent: An Embodied Agent Framework in Physical World

New In ML @ ICML 2025 Workshop, Preprint

Zhihao Wang*, Jianxiong Li*, Jinliang Zheng*, Wencong Zhang, Dongxiu Liu, Yinan Zheng, Haoyi Niu, Junzhi Yu, Xianyuan Zhan

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

Jianxiong Li*, **Zhihao Wang***, Jinliang Zheng*, Xiaoli 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 RL-Based Active SLAM Method

IEEE Transactions on Industrial Informatics (IF 11.7), 2025

Zhanhua Xin, **Zhihao Wang**, Shenghao Zhang, Wanchao Chi, Yan Meng, Shihan Kong, Yan Xiong, Chong Zhang, Yuzhen Liu, 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

Peking University Graduate Student Special Academic Scholarship	2025
1st at AIR Summer 2024 Projects Competition	2024
Shandong Outstanding Graduates	2024
Undergraduate National Scholarship	2023
Huawei Intelligent Foundation Scholarship	2023
<i>1st Prize</i> , Twice, Award on Formula Student Autonomous China	2022

ACADEMIC SERVICE

- Reviewer at conferences: ICLR 2026, AAAI 2026
- Reviewer at workshops: EWM@NeurIPS 2025, WRL@ICLR 2025

MISCELLANEOUS

- Something familiar with: Python, Shell, JAX, PyTorch, HTML, LaTeX, Copilot, ROS(1&&2), robot arms (AgileX, AgiBot-G1, AIRBOT)
- Takeaway: An indefatigable youth passionate about learning more and widen his worldview about **AI**.