HAO LI

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EDUCATION

Ph.D. student at University of Science and Technology of China (USTC) 2024.06 - 2027.06 (expected)
Co-trained with **Shanghai AI Laboratory**, major in Control Science and Engineering.
Co-supervised by Jiangmiao Pang, Feng Zhao, and Dahua Lin.

Master students at University of Science and Technology of China (USTC) 2022.09 - 2024.06
Major in Information and Communication Engineering, supervised by Yongdong Zhang.

Bachelor students at Huazhong University of Science and Technology (HUST) 2018.09 - 2022.06
Major in Information and Communication Engineering (Mathematical Improvement Experimental Class)
Elite Program: Qiming College, Outstanding Undergraduate in Terms of Academic Performance (Top 1%).

RESEARCH INTEREST

Robotics, particularly VLA models, AIGC (world model, image generation/editing), and multimodal learning.

SELECTED PUBLICATIONS

CronusVLA: Towards Efficient and Robust Manipulation via Multi-Frame Vision-Language-Action Modeling.
Hao Li, Shuai Yang, Yilun Chen†, Xinyi Chen, Xiaoda Yang, Yang Tian, Hanqing Wang, Tai Wang, Dahua Lin, Feng Zhao†, Jiangmiao Pang†. *AAAI 2026 Oral (Top 3.5%)*

InstructVLA: Vision-Language-Action Instruction Tuning from Understanding to Manipulation.
Shuai Yang*, **Hao Li***, Bing Wang, Yilun Chen, Yang Tian, Tai Wang, Hanqing Wang, Feng Zhao, Yiyi Liao, Jiangmiao Pang. *Preprint 2025*

InternVLA-M1: A Spatially Grounded Foundation Framework for Generalist Robot Policy.
Hao Li, InternVLA-M1 Team. *Technical Report 2025*

RoboGround: Robotic Manipulation with Grounded Vision-Language Priors.
Haifeng Huang, Xinyi Chen, Yilun Chen, **Hao Li**, Xiaoshen Han, Zehan Wang, Tai Wang, Jiangmiao Pang, Zhou Zhao†. *CVPR 2025*

GENMANIP: LLM-driven Simulation for Generalizable Instruction-Following Manipulation.
Ning Gao, Yilun Chen, Shuai Yang, Xinyi Chen, Yang Tian, **Hao Li**, Haifeng Huang, Hanqing Wang, Tai Wang, Jiangmiao Pang†. *CVPR 2025*

LogitSpec: Accelerating Retrieval-based Speculative Decoding via Next Next Token Speculation.
Tianyu Liu, Qitan Lv, **Hao Li**, Xing Gao†, Xiao Sun† *Preprint 2025*

Exploring visual relationships via transformer-based graphs for enhanced image captioning.
Jingyu Li, Zhendong Mao†, **Hao Li**, Weidong Chen, Yongdong Zhang. *TOMM 2024*

Gradual Residuals Alignment: A Dual-Stream Framework for GAN Inversion and Image Attribute Editing.
Hao Li, Mengqi Huang, Lei Zhang, Bo Hu, Yu Liu, Zhengdong Mao†. *AAAI 2024*

ER-SAN: Enhanced-Adaptive Relation Self-Attention Network for Image Captioning.
Jingyu Li, Zhendong Mao†, Shancheng Fang, **Hao Li**. *IJCAI 2022 Oral (Top 3.7%)*

EXPERIENCE

InternRobotics, Shanghai AI Laboratory 2024.06 – Present
· Working on VLA models, robotic manipulation, and multimodal foundation models.
· Collaborating with Yilun Chen, focusing on real-world robot systems and scalable datasets.

COMMUNITY SERVICE

Reviewer for AAAI 2025–2026, CVPR 2024–2025, ICLR 2025, ICML 2025.

Organizer of IROS 2025 Workshop on Multimodal Robot Learning in Physical Worlds.

SELECTED HONORS AND AWARDS

Second Prize (2/599, ¥200,000) of the 2nd International Algorithm Case Competition of Greater Bay Area.

National Scholarship (Top 2%), USTC, 2024.

First Prize Scholarship, USTC, 2025, 2024, 2023, 2022.

Outstanding Graduate, HUST, 2022.

Outstanding Undergraduate in Terms of Academic Performance (Top 1%), HUST, 2020.

CONTACT

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