

JINLIANG ZHENG

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EDUCATION

Tsinghua University

2023 – Present

Ph.D. Candidate in Mechanical Engineering

Beijing, China

- **Affiliation:** School of Vehicle and Mobility / Institute for AI Industry Research (AIR)
- **Advisors:** Prof. Yaqin Zhang
- **Research Interest:** Embodied AI, Computer Vision, Generative AI

Beijing University of Posts and Telecommunications

2019 – 2023

B.S. in Computer Science and Technology

Beijing, China

- Selected Honors: Excellent graduate

SELECTED PUBLICATION

- Yuchun Feng*, **Jinliang Zheng***, Zhihao Wang, Dongxiu Liu, Jianxiong Li, Jiangmiao Pang, Tai Wang, Xianyuan Zhan,
“[Demystifying Action Space Design for Robotic Manipulation Policies](#)”
International Conference on Machine Learning (ICML 2026)
[Best Paper Award at ES-Reasoning Workshop @ ICLR 2026](#)
- **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,
“[X-VLA: Soft-Prompted Transformer as Scalable Cross-Embodiment Vision-Language-Action Model](#)”
International Conference on Representation Learning (ICLR 2026)
[First Place in AGIBOT World Challenge @ IROS 2025](#)
- **Jinliang Zheng***, Jianxiong Li*, Dongxiu Liu*, Yinan Zheng, Zhihao Wang, Zhonghong Ou, Yu Liu, Jingjing Liu, Ya-Qin Zhang, Xianyuan Zhan, “[Universal Actions for Enhanced Embodied Foundation Models](#)”
Conference on Computer Vision and Pattern Recognition (CVPR 2025)
- **Jinliang Zheng***, Jianxiong Li*, Sijie Cheng, Yinan Zheng, Jiaming Li, Jihao Liu, Yu Liu, Jingjing Liu, Xianyuan Zhan, “[Instruction-Guided Visual Masking](#)”
Conference on Neural Information Processing Systems (NeurIPS 2024)
[Outstanding Paper at MFM-EAI Workshop @ ICML 2024](#)
- Jianxiong Li*, **Jinliang Zheng***, Yinan Zheng*, Liyuan Mao, Xiao Hu, Sijie Cheng, Haoyi Niu, Jihao Liu, Yu Liu, Jingjing Liu, Ya-Qin Zhang, Xianyuan Zhan, “[DecisionNCE: Embodied Multimodal Representations via Implicit Preference Learning](#)”
International Conference on Machine Learning (ICML 2024)
[Outstanding Paper at MFM-EAI Workshop @ ICML 2024](#)
- Jihao Liu*, **Jinliang Zheng***, Yu Liu, Hongsheng Li, “[GLID: Pre-training a Generalist Encoder-Decoder Vision Model](#)”
Conference on Computer Vision and Pattern Recognition (CVPR 2024)
- Jianxiong Li*, Zhihao Wang*, **Jinliang Zheng***, Xiaoi Zhou, Guanming Wang, Guanglu Song, Yu Liu, Jingjing Liu, Ya-Qin Zhang, Junzhi Yu, Xianyuan Zhan, “[Robo-MUTUAL: Robotic Multimodal Task Specification via Unimodal Learning](#)”
International Conference on Robotics and Automation (ICRA 2025)
- Yinan Zheng, Ruiming Liang, Kexin ZHENG, **Jinliang Zheng**, Liyuan Mao, Jianxiong Li, Weihao Gu, Rui Ai, Shengbo Eben Li, Xianyuan Zhan, Jingjing Liu, “[Diffusion-Based Planning for Autonomous Driving with Flexible Guidance](#)”
International Conference on Learning Representations (ICLR 2025) (Oral)
- Dongxiu Liu, Haoyi Niu, Zhihao Wang, **Jinliang Zheng**, Yinan Zheng, Zhonghong Ou, Jianming HU, Jianxiong Li, Xianyuan Zhan, “[Efficient Robotic Policy Learning via Latent Space Backward Planning](#)”
International Conference on Machine Learning (ICML 2025)

- Jihao Liu, **Jinliang Zheng**, Boxiao Liu, Yu Liu, Hongsheng Li, “Enhancing Vision-Language Model with Unmasked Token Alignment at Scale”
Transaction on Machine Learning Research (TMLR 2024)
- Jihao Liu, Xin Huang, **Jinliang Zheng**, Yu Liu, Hongsheng Li, “MixMAE: Mixed and Masked Autoencoder for Efficient Pretraining of Hierarchical Vision Transformers”
Conference on Computer Vision and Pattern Recognition (CVPR 2023)
- Jihao Liu*, Xin Huang*, **Jinliang Zheng***, Jia Wang, Boxiao Liu, Osamu Yoshie, Yu Liu, Hongsheng Li, “MM-Instruct: Generated Visual Instructions for Large Multimodal Model Alignment”
Neurocomputing
- Ming Zhang, Shenghan Zhang, Zhenjie Yang, Lekai Chen, **Jinliang Zheng**, Chao Yang, Chuming Li, Hang Zhou, Yazhe Niu, Yu Liu, “Gobigger: A scalable platform for cooperative-competitive multi-agent interactive simulation”
International Conference on Learning Representations (ICLR 2023)

HONORS AND AWARDS

<i>Best Paper Awards, ES-Reasoning Workshop@ICLR 2026</i>	2026
<i>First Place in AGIBOT World Challenge @ IROS 2025</i>	2025
<i>Outstanding Paper Awards, MFM-EAI Workshop@ICML 2024</i>	2024
<i>Gold Reviewer, ICML 2026</i>	2026
<i>Top Reviewer, ICLR 2026</i>	2026
<i>Graduate National Scholarship, China</i>	2025
<i>Excellent graduate, Beijing</i>	2023
<i>Undergraduate National Scholarship, China</i>	2022
<i>Excellent undergraduate, China Computer Federation</i>	2023
<i>Silver Medal, The ICPC Asia Regional Contest</i>	2022
<i>Gold Medal, Group Programming Ladder Tournament</i>	2021
<i>Merit Students, Beijing</i>	2021

PROFESSIONAL SERVICE

Reviewer for IEEE Robotics and Automation Letters (RA-L)	2026
Reviewer for International Conference on Machine Learning (ICML)	2025, 2026
Reviewer for International Conference on Learning Representations (ICLR)	2025, 2026
Reviewer for Conference on Neural Information Processing Systems (NeurIPS)	2025, 2026
Reviewer for Conference on Computer Vision and Pattern Recognition (CVPR)	2024, 2025
Reviewer for International Conference on Computer Vision (ICCV)	2025
Reviewer for The European Conference on Computer Vision (ECCV)	2026
Reviewer for AAAI Conference on Artificial Intelligence (AAAI)	2026
Reviewer for Winter Conference on Applications of Computer Vision (WACV)	2026