

ZhiYuan(Aaron) Feng

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Education

Tsinghua University

Ph.D of Computer Science

Advisor: [Baining Guo](#) (IEEE&ACM Fellow)

Beijing

2024 -

Xi'an Jiaotong University

Bachelor of Computer Science, [Qian Xuesen Honors College](#)

Advisor: [Bin Shi](#), [Qinghua Zheng](#)

Xi'an

2020 - 2024

Research & Industry Experience

Microsoft Research (Spatial intelligence)

Research Intern, Work on Embodied AI

Advised by [Yu Deng](#), [Sicheng Xu](#), [Yaobo Liang](#), [Jiaolong Yang](#)

Jul 2024 -

Microsoft Research (Visual Computing)

Research Intern, Work on LLM for reasoning

Advised by [Zheng Zhang](#), [Houwen Peng](#)

Dec 2023 - Jun 2024

Xi'an Jiaotong University

Research student, working on GNNs and Privacy Protection.

Advised by [Bin Shi](#), [Hua Wei](#) and [Qinghua Zheng](#)

Apr 2022 - Dec 2022

Selected Publications

[HiMoE-VLA: Hierarchical Mixture-of-Experts for Generalist Vision-Language-Action Policies](#)

Zhiying Du, Bei Liu, Yaobo Liang, Yichao Shen, Haidong Cao, Xiangyu Zheng, **Zhiyuan Feng**, Zuxuan Wu, Jiaolong Yang, Yu-Gang Jiang

[Discover, Learn, and Reinforce: Scaling Vision-Language-Action Pretraining with Diverse RL-Generated Trajectories](#)

Rushuai Yang, **Zhiyuan Feng**, Tianxiang Zhang, Kaixin Wang, Chuheng Zhang, Li Zhao, Xiu Su, Yi Chen, Jiang Bian
<https://arxiv.org/abs/2511.19528>

[Seeing Across Views: Benchmarking Spatial Reasoning of Vision-Language Models in Robotic Scenes](#)

Zhiyuan Feng, Zhaolu Kang, Qijie Wang, Zhiying Du, Jiongrui Yan, Shubin Shi, Chengbo Yuan, Huizhi Liang, Yu Deng, Qixiu Li, Rushuai Yang, Arctanx An, Leqi Zheng, Weijie Wang, Shawn Chen, Sicheng Xu, Yaobo Liang, Jiaolong Yang, Baining Guo
arXiv preprint [arXiv:2510.19400](https://arxiv.org/abs/2510.19400), 2025

[Scalable Vision-Language-Action Model Pretraining for Robotic Manipulation with Real-Life Human Activity Videos](#)

Qixiu Li, Yu Deng, Yaobo Liang, Lin Luo, Lei Zhou, Chengtang Yao, Lingqi Zeng, **Zhiyuan Feng**, Huizhi Liang, Sicheng Xu, Yizhong Zhang, Xi Chen, Hao Chen, Lily Sun, Dong Chen, Jiaolong Yang, Baining Guo
<https://arxiv.org/abs/2510.21571>

[Beyond Human Demonstrations: Diffusion-Based Reinforcement Learning to Generate Data for VLA Training](#)

Rushuai Yang, Hangxing Wei, Ran Zhang, **Zhiyuan Feng**, Xiaoyu Chen, Tong Li, Chuheng Zhang, Li Zhao, Jiang Bian, Xiu Su, Yi Chen
arXiv preprint arXiv:2509.19752, 2025

[VolSplat: Rethinking Feed-Forward 3D Gaussian Splatting with Voxel-Aligned Prediction](#)

Weijie Wang, Yeqing Chen, Zeyu Zhang, Hengyu Liu, Haoxiao Wang, **Zhiyuan Feng**, Wenkang Qin, Zheng Zhu, Donny Y. Chen, Bohan Zhuang
arXiv preprint arXiv:2509.19297, 2025

[MIRA: Medical Time Series Foundation Model for Real-World Health Data](#)

Hao Li, Bowen Deng, Chang Xu, **Zhiyuan Feng**, Viktor Schlegel, Yu-Hao Huang, Yizheng Sun, Jingyuan Sun, Kailai Yang, Yiyao Yu, Jiang Bian
The Thirty-Ninth Annual Conference on Neural Information Processing Systems, 2025

[HSSBench: Benchmarking Humanities and Social Sciences Ability for Multimodal Large Language Models](#)

Zhaolu Kang, Junhao Gong, Jiaxu Yan, Wanke Xia, Yian Wang, Ziwen Wang, Huaxuan Ding, Zhuo Cheng, Wenhao Cao, **Zhiyuan Feng**, Siqi He, Shannan Yan, Junzhe Chen, Xiaomin He, Chaoya Jiang, Wei Ye, Kaidong Yu, Xuelong Li
arXiv preprint arXiv:2506.03922, 2025

[TransDiff: Diffusion-Based Method for Manipulating Transparent Objects Using a Single RGB-D Image](#)

Haoxiao Wang, Kaichen Zhou, Binrui Gu, **Zhiyuan Feng**, Weijie Wang, Peilin Sun, Yicheng Xiao, Jianhua Zhang, Hao Dong
IEEE International Conference on Robotics & Automation, 2025

Eli-ENet: A Novel Evidential Deep Learning Framework for Spatiotemporal Forecasting

Zhiyuan Feng, Kai Qi, Bin Shi, Hao Mei, Qinghua Zheng, Hua Wei

[MDP: Privacy-Preserving GNN Based on Matrix Decomposition and Differential Privacy](#)

Wanghan Xu, Bin Shi, Jiqiang Zhang, **Zhiyuan Feng**, Tianze Pan, Bo Dong
IEEE International Conference on Joint Cloud Computing, 2023

[Deep evidential learning in diffusion convolutional recurrent neural network.](#)

Zhiyuan Feng, Kai Qi, Bin Shi, Hao Mei, Qinghua Zheng, Hua Wei
Electronic Research Announcements in Mathematical Sciences, 2023

Honors & Services

IEEE Student Member	
Reviewer, CVPR 2026	
Reviewer, ICRA 2026	2026
Reviewer, ICLR 2026	2026
Microsoft Stars of Tomorrow Internship	2024

China Mobile Outstanding Scholarship	2023
National Scholarship	2022
National Scholarship	2021
The 12 th Asia and Pacific Informatics Olympiad (Gold medal)	2018
NOIP (First Prize)	2017,2018

Miscellaneous

Leisure Activities: Tennis, swim, gym, photography.