

Hang Ye (Alvin)

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Education

Peking University (PKU) Sep. 2023 – Jun. 2028 (Expected)
Ph.D. Student in Computer Science
Center on Frontiers of Computing Studies (CFCS), School of Computer Science
Advisor: Prof. Yizhou Wang

Peking University (PKU) Sep. 2019 – Jun. 2023
B.S. in Artificial Intelligence
Yuanpei College

Research Interest

My research interests lie in **human-centric 3D vision**, spanning the reconstruction, generation, and understanding of humans in complex 3D scenes. My long-term goal is to bridge the gap between 3D vision and embodied intelligence, developing high-fidelity, lifelike 3D humans that can actively perceive, reason, and interact within both virtual worlds and real-world environments.

Experience

Shanghai AI Laboratory, Beijing, China May 2023 – September 2024
Research Intern

- Worked on single-image 3D human reconstruction, resulting in a NeurIPS 2025 publication
- Proposed generalizable human modeling from multi-source data for improved robustness

Publications

* indicates equal contribution

- [1] **SUGAR: A Scalable Human-Video-Driven Generalizable Humanoid Loco-Manipulation Learning Framework**
Tianshu Wu*, Xiangqi Kong*, Yue Chen*, Qize Yu, **Hang Ye**, Jia Li, Yizhou Wang, Hao Dong
Neural Information Processing Systems (NeurIPS), 2026
- [2] **GeneMAN: Generalizable Single-Image 3D Human Reconstruction from Multi-Source Human Data**
Wentao Wang*, **Hang Ye***, Fangzhou Hong, Xue Yang, Jianfu Zhang, Yizhou Wang, Ziwei Liu, Liang Pan
Neural Information Processing Systems (NeurIPS), 2025
- [3] **Free-form Generation Enhances Challenging Clothed Human Modeling**
Hang Ye, Xiaoxuan Ma, Hai Ci, Wentao Zhu, Yizhou Wang
Conference on Computer Vision and Pattern Recognition (CVPR), 2025 (**Highlight**)
- [4] **Social Motion Prediction with Cognitive Hierarchies**
Wentao Zhu*, Jason Qin*, Yuke Lou, **Hang Ye**, Xiaoxuan Ma, Hai Ci, Yizhou Wang
Neural Information Processing Systems (NeurIPS), 2023
- [5] **Denoising Masked AutoEncoders are Certifiable Robust Vision Learners**
Quanlin Wu, **Hang Ye**, Yuntian Gu, Huishuai Zhang, Liwei Wang, Di He
International Conference on Learning Representations (ICLR), 2023
- [6] **Faster VoxelPose: Real-time 3D Human Pose Estimation by Orthographic Projection**
Hang Ye*, Wentao Zhu*, Chunyu Wang, Rujie Wu, Yizhou Wang
European Conference on Computer Vision (ECCV), 2022

Preprints

- [1] **Visually-grounded Humanoid Agents**
Hang Ye, Xiaoxuan Ma, Fan Lu, Wayne Wu, Kwan-Yee Lin, Yizhou Wang
arXiv, 2026
- [2] **Resonant Minds: Closed-Loop Social Avatars with Theory of Mind**
Jianxu Shangguan*, Jing Xu*, **Hang Ye**, Xiaoxuan Ma, Yizhou Wang, Wentao Zhu
Manuscript under review
- [3] **RichControl: Structure- and Appearance-Rich Training-Free Spatial Control for Text-to-Image Generation**
Lexi Pang, Liheng Zhang, **Hang Ye**, Xiaoxuan Ma, Yizhou Wang
arXiv, 2025

Awards and Honors

Graduate Special Academic Scholarship	2024, 2025
Fuguang Scholarship	2020, 2021, 2022
Merit Student of Peking University	2020, 2021, 2022
First Prize, 12th Chinese Mathematics Competition	2020
Second Class Scholarship for Freshmen, Peking University	2019

Academic Services

Conference Reviewer:
CVPR, ICCV, ECCV, NeurIPS, ICLR