

Hongjie Li

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🌐 awfuact.github.io/



Education

2021 – 2026 **School of EECS, Peking University (PKU), Beijing, China, 100871**
PKU Zhi Class (Honors Program in Artificial Intelligence) of 2022
GPA: 3.759/4.0

Relevant Courses: Computer Vision, Introduction to Visual Computing and Interaction, Character Animation and Motion Simulation, Machine Learning, Multimodal Learning, Introduction to Generative Modeling, Introduction to Multi-Agent Systems, Cognitive Science, Cognitive Reasoning, The Mathematics in AI, Numerical Methods, Methodologies and Practice for AI Research, and Directed Research in AI System

Research

Research Interests

Computer Vision & Graphics, 3D Human-Object/Scene Interaction, 3D Human Motion Synthesis, Generative Visual Models, 3D Scene Understanding

Robotics, Humanoid Robot Learning

Research Experience

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|------------|---|---------------------------|
| Jun 2025 | Stanford Vision and Learning Lab , Stanford University | <i>Research Intern</i> |
| – Present | Research on weakly-supervised human and human-object interaction reconstruction.
Advisor: Prof. Jiajun Wu | |
| Jun 2024 | Stanford Vision and Learning Lab , Stanford University | <i>Research Intern</i> |
| – Dec 2024 | Research on zero-shot human-scene interaction motion synthesis.
Advisor: Prof. Jiajun Wu | |
| Sept 2023 | National Key Lab for General AI , BIGAI | <i>Student Researcher</i> |
| – Present | Research on human motion and human-scene interaction synthesis.
Research on humanoid robot learning for multimodal instruction execution.
Advisor: Dr. Siyuan Huang | |
| Jan 2023 | CoRe Lab , Institute for AI, PKU | <i>Student Researcher</i> |
| – Present | Research on human motion and human-scene interaction synthesis.
Research on humanoid robot learning for multimodal instruction execution.
Advisor: Prof. Yixin Zhu | |

Preprints and Publications

* denotes equal contribution, † marks the advisors

- 2025 **AnyLift: Scaling Motion Reconstruction from Internet Videos via 2D Diffusion**
Hongjie Li*, Heng Yu*, Jiaman Li, Hong-Xing Yu, Ehsan Adeli†, Karen Liu†, Jiajun Wu†
CVPR 2026, Under Review

- 2025 **UniAct: Unified Motion Generation and Action Streaming for Humanoid Robots**
 Nan Jiang*, Zimo He*, Lexi Pang, Wanhe Yu, Yunhao Li, **Hongjie Li**, Jieming Cui, Yuhao Li, Yizhou Wang[†], Yixin Zhu[†], Siyuan Huang[†]
 CVPR 2026, Under Review
- 2025 **ZeroHSI: Zero-Shot 4D Human-Scene Interaction by Video Generation**
Hongjie Li*, Hong-Xing Yu*, Jiaman Li, Jiajun Wu[†]
 3DV 2026
- 2024 **Dynamic Motion Blending for Versatile Motion Editing**
 Nan Jiang*, **Hongjie Li***, Ziyue Yuan*, Zimo He, Yixin Chen, Tengyu Liu, Yixin Zhu[†], Siyuan Huang[†]
 CVPR 2025
- 2024 **Autonomous Character-Scene Interaction Synthesis from Text Instruction**
 Nan Jiang*, Zimo He*, Zi Wang, **Hongjie Li**, Yixin Chen, Siyuan Huang[†], Yixin Zhu[†]
 SIGGRAPH Asia 2024
- 2023 **Scaling Up Dynamic 3D Human-Scene Interaction Modeling**
 Nan Jiang*, Zhiyuan Zhang*, **Hongjie Li**, Xiaoxuan Ma, Zan Wang, Yixin Chen, Tengyu Liu, Yixin Zhu[†], Siyuan Huang[†]
 CVPR 2024

Conference Reviewer

- 2026 **International Conference on 3D Vision (3DV)**
 2025 **International Conference on Computer Vision (ICCV)**
 2025 **Conference on Computer Vision and Pattern Recognition (CVPR)**

Awards and Scholarships

- 2025 **Exceptional Award for Academic Innovation**, Peking University
 2024 **The Third Prize of Peking University Scholarship**, Peking University
 2024 **Award for Research Excellence**, Peking University
 2023 **The Third Prize of Peking University Scholarship**, Peking University
 2023 **Merit Student**, Peking University
 2022 **Award for Academic Excellence**, Peking University

Technical Skills

Language	English (TOEFL 108), Mandarin (native)
Programming	Python (proficient), C/C++, Javascript, HTML, LaTeX
Framework & Tool	PyTorch (proficient), Visual Studio Code, PyCharm, Blender, Git