

# Hongjie Li

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## 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

Jun 2025	<b>Stanford Vision and Learning Lab</b> , Stanford University	<i>Research Intern</i>
– Present	Research on weakly-supervised human and human-object interaction reconstruction. Advisor: Prof. Jiajun Wu	
Jun 2024	<b>Stanford Vision and Learning Lab</b> , Stanford University	<i>Research Intern</i>
– Dec 2024	Research on zero-shot human-scene interaction motion synthesis. Advisor: Prof. Jiajun Wu	
Sept 2023	<b>National Key Lab for General AI</b> , 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	<b>CoRe Lab</b> , 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, Yuhang Li, Yizhou Wang<sup>†</sup>, Yixin Zhu<sup>†</sup>, Siyuan Huang<sup>†</sup>  
CVPR 2026, Under Review
- 2025 **ZeroHSI: Zero-Shot 4D Human-Scene Interaction by Video Generation**  
**Hongjie Li\***, Hong-Xing Yu\*, Jiaman Li, Jiajun Wu<sup>†</sup>  
3DV 2026
- 2024 **Dynamic Motion Blending for Versatile Motion Editing**  
Nan Jiang\*, **Hongjie Li\***, Ziye Yuan\*, Zimo He, Yixin Chen, Tengyu Liu, Yixin Zhu<sup>†</sup>, Siyuan Huang<sup>†</sup>  
CVPR 2025
- 2024 **Autonomous Character-Scene Interaction Synthesis from Text Instruction**  
Nan Jiang\*, Zimo He\*, Zi Wang, **Hongjie Li**, Yixin Chen, Siyuan Huang<sup>†</sup>, Yixin Zhu<sup>†</sup>  
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<sup>†</sup>, Siyuan Huang<sup>†</sup>  
CVPR 2024

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### 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)**

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### 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

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### 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