

# Hongjie Li

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🌐 [awfuact.github.io/](https://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: 3.687/4.0**

**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>    |
| – Dec 2025 | Research on weakly-supervised human and human-object interaction reconstruction.<br>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.<br>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.<br>Research on humanoid robot learning for multimodal instruction execution.<br>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.<br>Research on humanoid robot learning for multimodal instruction execution.<br>Advisor: Prof. Yixin Zhu  |                           |

## Preprints and Publications

\* denotes equal contribution, † marks the advisors

- 2026 **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

- 2026 **ZeroHSI: Zero-Shot 4D Human-Scene Interaction by Video Generation**  
**Hongjie Li\***, Hong-Xing Yu\*, Jiaman Li, Jiajun Wu<sup>†</sup>  
 3DV 2026
- 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<sup>†</sup>, Yixin Zhu<sup>†</sup>, Siyuan Huang<sup>†</sup>  
 arXiv 2025
- 2025 **Dynamic Motion Blending for Versatile Motion Editing**  
 Nan Jiang\*, **Hongjie Li\***, Ziyue 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
- 2024 **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

## 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

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