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Hongjie Li

Education

2021 – 2025 **School of EECS, Peking University (PKU)**, *Beijing, China, 100871*
PKU Zhi Class (2021)
GPA: 3.8/4.0
Relevant Courses: Computer Vision, Introduction to Visual Computing and Interaction, The Mathematics in Artificial Intelligence, Character Animation and Motion Simulation, Machine Learning, Multimodal Learning, Introduction to Generative Modeling, Introduction to Multi-Agent Systems

Research

Research Interests

Computer Vision, 3D Human-Object/Scene Interaction, 3D Scene Understanding, Generative Visual Models

Computer Graphics, 3D Human Motion Synthesis

Research Experience

Jun 2024 – Present **SVL**, Stanford University   *Research Intern*
3D Human-Scene Interaction
Advisor: Prof. Jiajun Wu

Sept 2023 – Present **National Key Lab for General AI**, BIGAI   *Research Volunteer*
3D Human-Object/Scene Interaction
Advisor: Dr. Siyuan Huang

Jan 2023 – Present **CoRe Lab**, Institute for AI, PKU   *Student Researcher*
Visually Grounded Reasoning
Advisor: Prof. Yixin Zhu

Preprints and Publications

* denotes equal contribution, † marks the corresponding authors

2024 Nan Jiang*, Zimo He*, Zi Wang, **Hongjie Li**, Yixin Chen, Siyuan Huang†, Yixin Zhu†

Autonomous Character-Scene Interaction Synthesis from Text Instruction
SIGGRAPH Asia 2024

2023   Nan Jiang*, Zhiyuan Zhang*, **Hongjie Li**, Xiaoxuan Ma, Zan Wang, Yixin Chen, Tengyu Liu, Yixin Zhu[†], Siyuan Huang[†]

Scaling Up Dynamic 3D Human-Scene Interaction Modelling

Computer Vision and Pattern Recognition (CVPR) 2024

Technical Skills

Languages   Python(proficient), C/C++

Framework & Tool   PyTorch(proficient), PyCharm, Visual Studio Code, Blender, Git

Awards and Scholarships

2024   **"Tianchuang" Scholarship**, Peking University

2024   **Research Excellence Award**, Peking University

2023   **Third-Class Scholarship**, Peking University

2023   **Merit Student Award**, Peking University

2022   **Academic Excellence Award**, Peking University