

Zan Wang

wangzan@bit.edu.cn • silvester.wang

Research interests

Computer Vision, Computer Graphics, Robotics

Education

- 2021.8 – Present **Beijing Institute of Technology** – Beijing, China
PhD Student, School of Computer Science & Technology
Mentors: Prof. Wei Liang, Perception, Interaction, Embodiment Lab (Pie Lab)
- 2020.8 – 2021.6 **Beijing Institute of Technology** – Beijing, China
Master Student, School of Computer Science & Technology
Mentors: Prof. Wei Liang, Perception, Interaction, Embodiment Lab (Pie Lab)
- 2016.8 – 2020.6 **Beijing Institute of Technology** – Beijing, China
Bachelor of Engineering, School of Computer Science & Technology
GPA: **90.2/100**.

Publications

- PR 2025 **R2G: Reasoning to Ground in 3D Scenes**
Yixuan Li, Zan Wang, Wei Liang
- CVPR 2025 **InteractAnything: Zero-shot Human Object Interaction Synthesis via LLM Feedback and Object Affordance Parsing**
Jinlu Zhang, Yixin Chen, Zan Wang, Jie Yang, Yizhou Wang, Siyuan Huang
- TVCG 2025 **X's Day: Personality-Driven Virtual Human Behavior Generation**
Haoyang Li, Zan Wang, Wei Liang, Yizhuo Wang
- AAAI 2025
Oral **FloNa: Floor Plan Guided Embodied Visual Navigation**
Jiaxin Li, Weiqi Huang, Zan Wang, Wei Liang, Huijun Di, Feng Liu
- IROS 2024 **Mastering Scene Rearrangement with Expert-assisted Curriculum Learning and Adaptive Trade-Off Tree-Search**
Zan Wang^{*}, Hanqing Wang^{*}, Wei Liang
- IROS 2024 **Visual Loop Closure Detection with Thorough Temporal and Spatial Context Exploitation**
Jiaxin Li^{*}, Zan Wang^{*}, Huijun Di, Jian Li, Wei Liang
- CVPR 2024
Highlight **Move as You Say, Interact as You Can: Language-guided Human Motion Generation with Scene Affordance**
Zan Wang, Yixin Chen, Baoxiong Jia, Puhao Li, Jinlu Zhang, JingZe Zhang, Tengyu Liu, Yixin Zhu, Wei Liang, Siyuan Huang
- CVPR 2024
Highlight **Scaling Up Dynamic Human-Scene Interaction Modeling**
Nan Jiang^{*}, Zhiyuan Zhang^{*}, Hongjie Li, Xiaoxuan Ma, Zan Wang, Yixin Chen, Tengyu Liu, Yixin Zhu, Siyuan Huang

CVPR 2023 **Diffusion-based Generation, Optimization, and Planning in 3D Scenes**
Siyuan Huang*, Zan Wang*, Puhao Li, Baoxiong Jia, Tengyu Liu, Yixin Zhu, Wei Liang, Song-Chun Zhu

NeurIPS 2022 **HUMANISE: Language-conditioned Human Motion Generation in 3D Scenes**
Zan Wang, Yixin Chen, Tengyu Liu, Yixin Zhu, Wei Liang, Siyuan Huang

Research experience

2021.10 – 2024.11 Research Intern @ **Beijing Institute for General Artificial Intelligence (BIGAI)**
Mentors: Dr. Siyuan Huang
• Motion Generation & Human-Scene Interaction

Service

Reviewer: NeurIPS, ICLR, ICML, CVPR, AAAI, IROS, ISMAR

Technical skills

Programming languages

C, C++, Python, Java, Verilog HDL, Javascript, Rust

Software

LaTeX, Git, VSCode, Blender, Unity, Notion

Languages

English (CET 6)