Nanxiang Jiang

Beihang University
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https://nxjiang-jnx.github.io

Education

Beihang University (BUAA)
B.E. in Computer Science (Expected Jun 2027)
Program: Top Talents Program in Computer Science
GPA: 3.86 / 4.00 (Rank: 2 / 20)
Research Interests: Generative Models, Diffusion Models, Embodied Robotics, Multimodal Safety, 3D Reconstruction
Advisors: Prof. Si Liu, Asst. Prof. Zhaoxin Fan

Selected Awards

Second Prize (National Level) in the Ministry of Education "Question & Conjecture" Program	2026
Beihang University TA Excellence Award	2025
Beihang University Research Excellence Award	2025
Beihang University Academic Excellence Award	2024
Beihang University Triple-A student	2024
National Scholarship	2024

Publications and Preprints

(* Equal Contribution)

[1] Nanxiang Jiang, Zhaoxin Fan, Baisen Wang, Daiheng Gao, Junhang Cheng, Jifeng Guo, Yalan Qin, Yeying Jin, Hongwei Zheng, Faguo Wu, Wenjun Wu, "Z-Erase: Enabling Concept Erasure in Single Stream Diffusion Transformers", *Under review at International Conference on Machine Learning (ICML)*, 2026.

[2] Nanxiang Jiang, Zhaoxin Fan, Enhan Kang, Daiheng Gao, Yun Zhou, Yanxia Chang, Zheng Zhu, Yeying Jin, Wenjun Wu, "Erased, But Not Forgotten: Erased Rectified Flow Transformers Still Remain Unsafe Under Concept Attack", *Under review at Computer Vision and Pattern Recognition (CVPR)*, 2026.

[3] Daiheng Gao*, Nanxiang Jiang*, Andi Zhang, Shilin Lu, Yufei Tang, Wenbo Zhou, Weiming Zhang, Zhaoxin Fan, "Revoking Amnesia: RL-based Trajectory Optimization to Resurrect Erased Concepts in Diffusion Models", *Under review at Computer Vision and Pattern Recognition (CVPR)*, 2026.

[4] Shiying Duan*, Pei Ren*, Nanxiang Jiang, Zhengping Che, Jian Tang, Yifan Sun, Zhaoxin Fan, Wenjun Wu, "RoboPARA: Dual-Arm Robot Planning with Parallel Allocation and Recomposition Across Tasks", *International Conference on Learning Representations (ICLR)*, 2026.

Selected Academic Projects

Single-Image 3D Human Reconstruction with High-Fidelity Textures
Developed a monocular 3D human reconstruction method that jointly recovers detailed geometry and coherent full-body textures from a single image. Uses part-wise geometry estimation and side-view decoupled transformers.
A Modular Unix-like Shell with Full Parsing and Execution Pipeline
Designed and implemented a Unix-like shell from scratch, featuring lexical analysis, recursive-descent parsing, AST-based execution, etc. The project emphasizes system-level process control, and extensible shell tools inspired by POSIX shells.
MIPS CPU: RTL Implementation of a Pipelined Processor
Designed and implemented a five-stage MIPS pipeline CPU in Verilog with full data forwarding and hazard control, enabling stall-free execution for most data dependencies.
Others: Github

Research and Industry Experience

X Humanoid (Beijing Humanoid Robot Innovation Center) 2024
Research Intern, working on dual-arm humanoid robot task planning (Physics + AI). Advisor: Pei Ren

Skills

Python, PyTorch, Java, C/C++, MATLAB, etc.