Nanjie Yao, Jackie

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https://jackiemin233.github.io/Jackiemin233/

Education

2021.9 – 2025.6 **Zhejiang University of Technology**
B.S. in Network Engineering, Department of Computer Science. (Expected)
GPA: 3.62 / 5.0 (Rank: 5/52)
Language: CET-6 (508)
Advisor: Prof. Sixian Chan

2023.9 – 2023.12 **University of California-Irvine, Visit Student**
GPA: 4.0 / 4.0 (Grade: 3A+ 1A)
Enroll courses in artificial intelligence, computer system security, data science. And participate in an individual research project.

Work Experiences

2024.4 – Present **Research Assistant.**
AI+Lab, Hong Kong University of Science and Technology (Guangzhou).
Supervisor: Prof. Hao Wang

2024.03 – 2024.09 **Research Assistant (Part-time).**
Institue of Cyberspace Security, Zhejiang University of Technology.
Supervisor: Prof. Zhenyu Wen & Prof. Yiming Wu

2023.12 – 2024.4 **Research Assistant.**
Zhejiang Lab.
Supervisor: Prof. Feng Lin

Research Publications

Conference Proceedings

1. Z. Wen, J. Feng, **N. Yao**, D. Wu, C. Wang, and S. He, "End-to-end model generation with large language models," in *Proceedings of the 31st acm sigkdd international conference on knowledge discovery and data mining Submission*, 2025.
2. **N. Yao**, G. Zhang, W. Shen, J. Shu, and Haowang, "Unify3d: An augmented holistic end-to-end monocular 3d human reconstruction via anatomy shaping and twins negotiating," in *Proceedings of the IEEE/CVF international conference on computer vision Submission*, Equal contribution, 2025.
3. G. Zhang, **N. Yao**, S. Zhang, *et al.*, "Multigo: Towards multi-level geometry learning for monocular 3d textured human reconstruction," in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*, Equal contribution, 2025.

Journal Article

1. Y. Wu, **N. Yao**, C. Fu, C. Shi, T. Wu, and S. Ji, "Deepsanitizer: Data-free backdoor removal in deep neural networks," *IEEE Transactions on Dependable and Secure Computing Submission*, vol. 14, 2025, Equal contribution.
2. H. Wang, **N. Yao**, X. Zhou, *et al.*, "Nova-3d: Non-overlapped views for 3d anime character reconstruction," *Arxiv*, vol. 10, 2024, Equal contribution.

Skills

Computer Vision	**Core Areas**: Neural Rendering (NeRF, Gaussian Splatting), Generative Models (Latent Diffusion, GANs), 3D Reconstruction … **Applications**: Image synthesis, Novel view synthesis, Geometry recovery, Real-time rendering pipelines **Frameworks**: PyTorch, OpenCV, Nvdiffrast, Open3D …
Languages	**English**: Professional working proficiency **Mandarin**: Native speaker
Programming	**Python** (NumPy/PyTorch) · **Shell** (Bash) · LaTeX · Markdown · C/C++ · Java, …
Web Dev	Html · CSS · JavaScript · Springboost/SpringCloud · Mybatis · SQL, …

Miscellaneous Experience

Awards and Achievements

2024
- **Zhejiang Provincial Government Scholarship**, The People's Government of Zhejiang Province.
- **First-class scholarship for outstanding students**, Zhejiang University of Technology.
- **First-class scholarship for academic record**, Zhejiang University of Technology.
- **Huawei Intelligent Base Scholarship**, Huawei Technologies Co., Ltd.

2023
- **Second-class scholarship for outstanding students**, Zhejiang University of Technology.
- **Second-class scholarship for academic record**, Zhejiang University of Technology.
- **Second Prize of the National Innovation and Entrepreneurship Competition of China College Student Service Outsourcing**, The Ministry of Commerce of China.
- **Second Prize in the National Information Security Competition for Chinese College Students**, Beijing Electronic Science and Technology Institute.

2022
- **Third Prize in the China RoboCup (Drone Track)**, Chinese Association of Automation.

Patents and Copyrights

2024
- Chinese Software Copyright: A 3D Organ Medical Image Segmentation System and Method Based on Paddle-Seg Deep Learning Framework.