Linzhan Mou

Department of Control Science and Engineering
Zhejiang University
Zheda Road 38, Hangzhou, Zhejiang Province

(+86) · 13336778191
moulz@zju.edu.cn
[Homepage][Github]

EDUCATION

Zhejiang University   Sept. 2020 – Jun. 2024 (Expected)
B.Eng. in Automation(Artificial Intelligence and Big Data)
- **GPA**: Overall 3.99/4.00, 91.5/100 (ranking top 2%)
- **Minor**: Advanced Honor Class of Engineering Education@Chu Kochen Honors College (40/5600)
- **Research Interests:**: 3D Computer Vision, Embodied AI and Robotics

PUBLICATIONS

Painting 3D Nature in 2D: View Synthesis of Natural Scenes from a Single Semantic Mask
Shangzhan Zhang, Sida Peng, Tianrun Chen, **Linzhan Mou**, Haotong Lin, Kaicheng Yu, Yiyi Liao, Xiaowei Zhou
CVPR2023 arxiv:2302.07224

Relightable Neural Avatars from Sparse Multi-View Videos
Zhen Xu, Sida Peng, Chen Geng, **Linzhan Mou**, Zihan Yan, Hujun Bao, Xiaowei Zhou
SIGGRAPH 2023, under review

AttFace: High-Resolution Face Swapping with Attention Network
Linzhan Mou*, Shaoting Zhu*, Junyi Shen, Chao Xu, Yong Liu (* equal contribution)
IEEE Transactions on Computational Imaging (TCI)

REASEARCH EXPERIENCES

Yu-Lab, Department of CS, University of Illinois at Urbana-Champaign.
Research Assistant, advised by Prof. Yuxiong Wang   Feb.2023—Present
- Improve instruct nerf2nerf by distilling features instruct pix2pix to point clouds then apply global instruction.

State Key Laboratory of CAD&CG, Zhejiang University
Research Intern, advised by Prof. Xiaowei Zhou   Jun.2022—Present
- View synthesis of natural scenes from a single semantic mask combining with neural field and image inpainting.
- Relightable & animatable neural avatars from sparse view videos with sphere-tracing and soft-shadow algorithm.
- Real-time rendering of dynamic volumetric videos using a novel dynamic codebook and tensor decomposition technique.

Advanced Perception on Robotics and Intelligent Learning Lab, Zhejiang University
Research Intern, advised by Prof. Yong Liu   Dec.2021—May.2023
- Multimodal-driven talking face generation via a unified diffusion-based generator.

SELECTED AWARDS AND HONORS

- National Scholarship (top 1%)   2020, 2021
- First-Class Scholarship of Zhejiang University (top 3%)   2020, 2021
- Top 10 Outstanding Students of Academy (10/2000)   2021, 2022
- Zhejiang Provincial Government Scholarship (top 3%)   2021, 2022
- Supcon Technology Group Scholarship (top 5%)   2021, 2022
- China Undergraduate Mathematical Contest in Modeling(CUMCM) — National First Prize   2022
- International Genetically Engineered Machine Competition(iGEM) —— International Gold Prize   2022
- Supcon Cup College Student Robot Competition — First Prize (Top 1)   2022

SKILLS AND OTHER INFORMATION

Programming Languages (frequently used): C/C++, Python, Matlab, Bash
Python Libraries: NumPy, PyTorch, OpenGL, OpenCV
Tools: COLMAP, ROS, Unity