

---

## 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%)
- **Honors Program:** Advanced Honor Class of Engineering Education@Chu Kochen Honors College (40/5600)
- **Research Interests::** Computer Graphics, 3D Computer Vision 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

\*, **Linzhan Mou**, other anonymous authors  
SIGGRAPH 2023, under review

---

## REASEARCH EXPERIENCES

### Shanghai AI Lab & HongKong University.

Research Assistant, advised by Prof. Xihui Liu

Mar.2023—Present

- 3D scene generation & Editing 3D scenes with instructions.

### State Key Laboratory of CAD&CG, Zhejiang University

Research Intern, advised by Prof. Xiaowei Zhou

May.2022—Present

- View synthesis of natural scenes from a single semantic mask combining with neural field and image inpainting.
- Relightable neural avatars from multi-view videos with Sphere-Tracing and Soft-Shadow algorithm.
- Representation of dynamic scenes with fast training speed and competitive rendering qualities by 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

Nov.2021—Present

- Unified framework for high-fidelity face reenactment and swapping with Self-Attention echanism and flow algorithm.
- Face anonymization by bidirectional encryption algorithm in images and videos.
- Multimodal-driven talking face generation via a unified diffusion-based generator.

### Robotics Lab, Zhejiang University

Research Intern, advised by Prof. Yue Wang & Prof. Chunlin Zhou

Sept.2021—Present

- Space manipulator that mimics the Tianhe arm, which can walk between different surfaces outside the space module.
- Wheeled robot simulation in Gazebo and Rivz with global & local planning.

---

## SELECTED AWARDS AND HONORS

- |   |      |
|---|------|
| • China National Scholarship (top 1%)   | 2021 |
| • Zhejiang University First-class Scholarship (top 3%)                                      | 2021 |
| • Zhejiang Provincial Government Scholarship (top 3%)                                       | 2022 |
| • Supcon Technology Group Scholarship (top 5%)  | 2022 |
| • China Undergraduate Mathematical Contest in Modeling(CUMCM) — National First Prize        | 2022 |
| • International Genetically Engineered Machine Competition(iGEM) — International Gold Prize | 2022 |

- 
- China Undergraduate Mathematical Competition(CMC) — National First Prize 2022
  - Supcon Cup College Student Robot Competition — First Prize (top 1) 2022
  - IoT Innovation Design Competition of East China area — First Prize (top 1) 2022
  - Zhejiang Provincial Physics (Theory) Innovation Competition — Second Prize 2022
  - Zhejiang Provincial Machinery Design Innovation Competition — Second Prize 2022
  - MathorCup Undergraduate Mathematical Modeling Challenge — Second Prize 2022

## SKILLS AND OTHER INFORMATION

---

**Programming Languages (frequently used):** C/C++, Python, Matlab, Bash

**Python Libraries:** NumPy, PyTorch, OpenGL, OpenCV

**Tools:** COLMAP, ROS, Unity