LIAO SHEN

Email: leoshen@hust.edu.cn · Mobile: (+86) 15030129736

EDUCATION

Huazhong University of Science and Technology (HUST), Wuhan, China 2023.09 - Present
Master student in Artificial Intelligence and Automation (AIA)
GPA: 91.78/100.00 (rank: 8/90)
Advisor: Prof. Zhiguo Cao

Huazhong University of Science and Technology (HUST), Wuhan, China 2019.09 – 2023.06
B.S. in Automation
GPA: 92.24/100.00 (rank: 6/79)

RESEARCH INTERESTS

- **3D vision**: Image animation; 3D scene representation
- **Diffusion Model**: Image editing

PUBLICATIONS

[1] **DreamMover: Leveraging the Prior of Diffusion Models for Image Interpolation with Large Motion**
Liao Shen, Tianqi Liu, Huiqiang Sun, Xinyi Ye, Baopu Li, Jianming Zhang, Zhiguo Cao
European Conference on Computer Vision 2024[**ECCV 2024**]

[2] **Make-It-4D: Synthesizing a Consistent Long-Term Dynamic Scene Video from a Single Image**
Liao Shen, Xingyi Li, Huiqiang Sun, Juewen Peng, Ke Xian, Zhiguo Cao, Guosheng Lin
The 31st ACM International Conference on Multimedia [**ACM MM 2023**]

[3] **DyBluRF: Dynamic Neural Radiance Fields from Blurry Monocular Video**
Huiqiang Sun, Xingyi Li, Liao Shen, Xinyi Ye, Ke Xian, Zhiguo Cao
The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2024 [**CVPR 2024**]

[4] **MVSGaussian: Fast Generalizable Gaussian Splatting Reconstruction from Multi-View Stereo**
Tianqi Liu, Guangcong Wang, Shoukang Hu, Liao Shen, Yuhang Zang, Zhiguo Cao, Wei Li, Ziwei Liu
European Conference on Computer Vision 2024 [**ECCV 2024**]

[5] **Video Bokeh Rendering: Make Casual Videography Cinematic**
Yawen Luo, Min Shi, Liao Shen, Yachuan Huang, Zixuan Ye, Juewen Peng, Zhiguo Cao
The 32st ACM International Conference on Multimedia [**ACM MM 2024 Oral**]

[6] **Towards Robust Monocular Depth Estimation in Non-Lambertian Surfaces**
Junrui Zhang, Jiaqi Li, Yachuan Huang, Yiran Wang, Jinghong Zheng, Liao Shen, Zhiguo Cao
European Conference on Computer Vision Workshops [**ECCVW 2024**]

[7] **Selective Bokeh Effect Transformation**
Juewen Peng, Zhiyu Pan, Chengxin Liu, Xianrui Luo, Huiqiang Sun, Liao Shen, Ke Xian, Zhiguo Cao
The IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops, 2023 [**CVPRW 2023**]

PREPRINT

COMPETITIONS

- **TRICKY 2024 Monocular Depth from Images of Specular and Transparent Challenge** 2024
  Winner Award

- **NTIRE 2023 Bokeh Effect Transformation Challenge, CVPRW** 2023
  Winner Award

- **America Undergraduate Mathematical Contest in Modeling (MCM)** 2021
  Honorable Mention

Awards & Honors

- First-Class Scholarship for Postgraduates, HUST   2023
- Honours Degrees (Top 3%), HUST   2023
- Outstanding Undergraduates Student (Top 1%), HUST   2021
- Merit Undergraduate (Top 7%), HUST   2019

Skills

- **Programming**: Python, Matlab
- **Tools**: PyTorch, Latex, Linux

Miscellaneous

- **Homepage**: https://leoshen917.github.io/
- **GitHub**: https://github.com/leoShen917
- **Google Scholar**: https://scholar.google.com.hk/citations?hl=zh-CN&user=bEi3j64AAAAJ
- **Languages**: Mandarin - Native speaker, English - Fluent