

Xinhang Liu

✉ xliufe@connect.ust.hk
🌐 xinhangliu.com

EDUCATION

- Sep. 2022 - **HKUST**, Hong Kong
Now PhD, Computer Science and Engineering
- Sep. 2018 - **ShanghaiTech University**, Shanghai, China
Jun. 2022 Bachelor of Engineering, Computer Science and Technology
Honors: Shanghai Scholar 2021, Shanghai Outstanding Graduate 2022

PUBLICATIONS

- 1 **Xinhang Liu**, Jiaben Chen, Huai Yu, Yu-Wing Tai and Chi-Keung Tang. *Unsupervised Multi-view Image Segmentation using Radiance Field Propagation*. **NeurIPS 2022**.[\[pdf\]](#) [\[project page\]](#) [\[code\]](#) [\[data\]](#)
- 2 Liao Wang, Jiakai Zhang, **Xinhang Liu**, Fuqiang Zhao, Yanshun Zhang, Yingliang Zhang, Minye Wu, Lan Xu and Jingyi Yu. *Fourier PlenOctree for Dynamic Radiance Field Rendering in Real-time*. **CVPR 2022**.
[\[pdf\]](#) [\[project page\]](#) [\[video\]](#)
- 3 Jiakai Zhang, **Xinhang Liu**, Xinyi Ye, Fuqiang Zhao, Yanshun Zhang, Minye Wu, Yingliang Zhang, Lan Xu, Jingyi Yu. *Editable Free-viewpoint Video Using a Layered Neural Representation*. **SIGGRAPH 2021**.
[\[pdf\]](#) [\[project page\]](#) [\[code\]](#) [\[video\]](#)

EXPERIENCES

- Oct. 2020 - **Research Intern**, *ShanghaiTech University*, with [Prof. Jingyi Yu](#) and [Prof. Lan Xu](#)
Jun. 2022
- Mar. 2021 - **Robotics Institute Summer Scholar**, *Carnegie Mellon University*, with [Prof. Sebastian Scherer](#)
Jun. 2022 and [Prof. Huai Yu](#)

TEACHING SERVICE

- 2022 Conference Reviewer of CVPR 2022.
- Fall, 2021 CS276 - Computational Photography: Guest lecture in "NeRF".
- Fall, 2021 CS182 - [Introduction to Machine Learning](#): Teaching assistant.
- Fall, 2021 SI100B - Introduction to Information Science and Technology: Teaching assistant.

TECHNICAL SKILLS

- Research Interest Computer Vision (3D Vision and Neural Representation), Computational Photography, Computer Graphics
- Programming Languages C, C++, Python (PyTorch), MATLAB, Linux, L^AT_EX
- TOEFL: 107 (R:29, L:27, S:23, W:28) GRE: 325 (V: 156, Q: 169, AW: 4.0)