

FUQIANG ZHAO

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EDUCATION

ShanghaiTech University

2020 - Present

Ph.D. candidate, Major in Computer Science

Over 1,200 citations on [Google Scholar](#).

China University of Petroleum

2016-2020

B.Sc, Major in Software Engineering

GPA: 3.68/4.0, RANK: 2/125

PUBLICATIONS

- LetsGo: Large-Scale Garage Modeling and Rendering via LiDAR-Assisted Gaussian Primitives
Jiadi Cui*, Junming Cao*, **Fuqiang Zhao***, Zhipeng He, Yifan Chen, Yuhui Zhong, Lan Xu, Yujiao Shi, Yingliang Zhang, Jingyi Yu
(SIGGRAPH Asia 2024) [[Project](#) | [Paper](#)]
- NEPHELE: A Neural Platform for Highly Realistic Cloud Radiance Rendering.
Haimin Luo, Siyuan Zhang, **Fuqiang Zhao**, Haotian Jing, Penghao Wang, Zhenxiao Yu, Dongxue Yan, Junran Ding, Boyuan Zhang, Qiang Hu, Shu Yin, Lan Xu, Jingyi Yu
Submitted to (SIGGRAPH 2023) [[Paper](#)]
- Human Performance Modeling and Rendering via Neural Animated Mesh.
Fuqiang Zhao, Yuheng Jiang, Kaixin Yao, Jiakai Zhang, Liao Wang, Haizhao Dai, Yuhui Zhong, Yingliang Zhang, Minye Wu, Lan Xu, Jingyi Yu
(SIGGRAPH Asia 2022) [[Project](#) | [Paper](#)]
- NeuVV: Neural Volumetric Videos with Immersive Rendering and Editing.
Jiakai Zhang, Liao Wang, Xinhang Liu, **Fuqiang Zhao**, Minzhang Li, Haizhao Dai, Boyuan Zhang, Wei Yang, Lan Xu, Jingyi Yu
Submitted to (SIGGRAPH 2022) [[Paper](#)]
- Fourier PlenOctrees for Dynamic Radiance Field Rendering in Real-time.
Liao Wang*, Jiakai Zhang*, Xinhang Liu, **Fuqiang Zhao**, Yanshun Zhang, Yingliang Zhang, Minye Wu Lan Xu, Jingyi Yu
(CVPR 2022 Oral) [[Project](#) | [Paper](#)]
- HumanNeRF: Efficiently Generated Human Radiance Field from Sparse Inputs.
Fuqiang Zhao, Wei Yang, Jiakai Zhang, Pei Lin, Yingliang Zhang, Jingyi Yu, Lan Xu
(CVPR 2022) [[Project](#) | [Paper](#)]
- MVSNeRF: Fast Generalizable Radiance Field Reconstruction from Multi-View Stereo.
Anpei Chen, Zexiang Xu, **Fuqiang Zhao**, Xiaoshuai Zhang, Fanbo Xiang, Jingyi Yu, Hao Su
(ICCV 2021) International Conference on Computer Vision [[Project](#) | [Paper](#)]
- Editable Free-viewpoint Video Using a Layered Neural Representation.
Jiakai Zhang, Xinhang Liu, Xinyi Ye, **Fuqiang Zhao**, Yanshun Zhang, Minye Wu, Yingliang Zhang, Lan Xu, Jingyi Yu
(SIGGRAPH 2021) [[Project](#) | [Paper](#)]
- MirrorNeRF: One-shot Neural Portrait Radiance Field from Multi-mirror Catadioptric Imaging.
Ziyu Wang, Liao Wang, **Fuqiang Zhao**, Minye Wu, Lan Xu, Jingyi Yu
(ICCP 2021) International Conference on Computational Photography [[Paper](#)]

EXPERIENCE

NeuDim Digital Technology Inc.

July. 2022 - Present

CEO&Founder. [NeuDim](#) aims to substitute classical photogrammetry-based 3D/4D reconstruction with emerging neural approaches. It was incubated from the Visual Data Intelligence (VDI) Center at ShanghaiTech, by a group of fearless PhD students with various expertise on neural modeling, rendering, and tracking.

DGene Digital Technology Inc.

Jan. 2022 - Sep. 2022

R&D Intern. I work as a part-time research and development intern at DGene Digital Technology Inc.

ShanghaiTech University.

Sep. 2020 - Present

Ph.D Candidate. I am a Ph.D candidate on computer vision research, advised by Prof. Jingyi Yu. I am passionate and interested in reconstruction, rendering and generation tasks based on Neural Radiance Field, including **Neural Rendering, Text-To-3D & Image-To-3D Generation, 3D & 4D Reconstruction**. Experienced researcher with over 1,200 citations on Google Scholar.

China University of Petroleum Technology Inc.

Sep. 2016 - Jul. 2020

Bachelor. I obtained my B.E. in software engineering at China University of Petroleum and won honorable awards including:

Outstanding Graduates of China University of Petroleum 2020, First Prize of Shandong Software Design Competition 2018, National Inspirational Scholarship 2017,2018, Merit Student 2017,2018

TECHNICAL SKILLS

Programming Languages	Python (Pytorch, ...), C++, CUDA
Softwares & Tools	Visual Studio, Pycharm, Jupyter Notebook Meshlab, Blender
	Adobe Photoshop, Premiere
Others	Latex, Markdown

REFERENCES

[Prof. Jingyi Yu](#) Supervisor, IEEE Fellow ShanghaiTech University yujingyi@shanghaitech.edu.cn