

Haimin Luo

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BIO

I am a third-year Master student in Computer Science at ShanghaiTech University, working with Prof. Jingyi Yu. I also work closely with Prof. Lan Xu. I received my bachelor's degree in 2019 from Huazhong University of Science and Technology. My research interest lies in Neural Modeling and Rendering, 3D Reconstruction, Motion Capture and Animation, Digital Human and Animals.

EDUCATION

- **ShanghaiTech University** Shanghai, China
• *MEng in Computer Science and Technology; GPA: 3.55* *Fall 2019 - Spring 2022*
Advisor: Prof. Jingyi Yu
Major: Computer Vision / Graphics / Photography
Courses: Deep Learning, Digital Image processing, Computer Vision, Computer Graphics, Matrix computations
TA: CS286 Applications of artificial intelligence in science and engineering Fall 2019
- **Huazhong University of Science and Technology** Wuhan, Hubei, China
• *BSc in Computer Science and Technology; GPA: 3.93* *Fall 2015 - Spring 2019*
Advisor: Prof. Hanhua Chen
Courses: Operating Systems, Computer Architecture, Principles of Compilers, Data Structures, Algorithms Design & Analysis, Artificial Intelligence, Machine Learning, Networking, Databases
Awards: Scholarship for National Encouragement (2018); Outstanding Graduate (2019)

TECHNICAL SKILLS

- **Research:** Image Synthesis; Neural Modeling and Rendering; Motion Capture & Synthesis; 3D Reconstruction; Digital Human & Animals
- **Languages:** Python, C/C++, OpenGL, CUDA, Matlab, SQL, Bash, JAVA, c#
- **Frameworks:** Pytorch, Numpy, Scikit, TensorFlow, OpenCV, QT
- **Tools:** Docker, GIT, Blender, MySQL, LaTeX, Word, PowerPoint, Premiere

PUBLICATIONS

- **Artemis: Articulated Neural Pets with Appearance and Motion Synthesis:** [ACM Transactions on Graphics \(Proc. of SIGGRAPH 2022\)](#)
Haimin Luo, Teng Xu, Yuheng Jiang, Chenglin Zhou, Qiwei Qiu, Yingliang Zhang, Wei Yang, Lan Xu, Jingyi Yu
[\[project page\]](#) [\[paper\]](#) [\[code\]](#) [\[video\]](#)
- **Convolutional Neural Opacity Radiance Fields:** [2021 IEEE International Conference on Computational Photography \(ICCP\)](#)
Haimin Luo, Anpei Chen, Qixuan Zhang, Bai Pang, Minye Wu, Lan Xu, Jingyi Yu
[\[project page\]](#) [\[paper\]](#) [\[code\]](#) [\[video\]](#)
- **Gnerf: Gan-based neural radiance field without posed camera:** [Proceedings of the IEEE/CVF International Conference on Computer Vision \(ICCV oral\), 2021](#)
Quan Meng, Anpei Chen, **Haimin Luo**, Minye Wu, Hao Su, Lan Xu, Xuming He, Jingyi Yu
[\[paper\]](#) [\[code\]](#)
- **Few-shot Neural Human Performance Rendering from Sparse RGBD Videos:** [2021 International Joint Conference on Artificial Intelligence \(IJCAI\)](#)
Anqi Pang, Xin Chen, **Haimin Luo**, Minye Wu, Jingyi Yu, Lan Xu
[\[paper\]](#)