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ABOUT

I am a 1st-year Ph.D. student at the School of Intelligent Science and Technology at Nanjing University, under the mentorship of Professors Yao Yao and Tieniu Tan. My research primarily centers on 3D reconstruction and differentiable rendering.

Prior to this, I earned my M.S. and B.S degrees from Wuhan University mentored by Prof. Shunping Ji. During my master's program, I focused on the study of multi-view stereo techniques.

EDUCATION

Sept. 2024 –	Ph.D. Computer Science and Technology School of Intelligent Science and Technology	Nanjing University
Sept. 2020 – June 2023	M.S. Pattern Recognition and Intelligent Systems School of Remote Sensing and Information Engineering	Wuhan University
Sept. 2016 – June 2020	B.S. Science and Technology of Remote Sensing School of Remote Sensing and Information Engineering	Wuhan University
GPA: 3.86 / 4.0 Rank: 6 / 201		

PUBLICATIONS

* Equally contributed.

- [1] Shuang Li*, Yibing Wang*, **Jian Gao***, Chulhong Kim, Seongwook Choi, Yu Zhang, Qian Chen, Yao Yao, Changhui Li. Sliding Gaussian Ball Adaptive Growth: Point Cloud-based Iterative Algorithm for Large-scale 3D Photoacoustic Imaging. ArXiv, 2024.
- [2] **Jian Gao***, Chun Gu*, Youtian Lin, Zhihao Li, Hao Zhu, Xun Cao, Li Zhang, and Yao Yao. Relightable 3D Gaussians: Realistic Point Cloud Relighting with BRDF Decomposition and Ray Tracing. ECCV, 2024.
- [3] Jin Liu, **Jian Gao**, Shunping Ji, Chang Zeng, Shaoyi Zhang, and JianYa Gong. Deep learning based multi-view stereo matching and 3D scene reconstruction from oblique aerial images. ISPRS, 2023.
- [4] **Jian Gao**, Jin Liu, and Shunping Ji. A general deep learning based framework for 3D reconstruction from multi-view stereo satellite images. ISPRS, 2023.
- [5] **Jian Gao***, Jin Liu*, and Shunping Ji. Rational polynomial camera model warping for deep learning based satellite multi-view stereo matching. ICCV, 2021.

EXPERIENCES

Research Assistant Sept. 2023 – Sept. 2024

School of Intelligence Science and Technology, Nanjing University
under the supervision of Prof. Yao Yao.

Teaching Assistant Feb. 2020 – July. 2020 & Feb. 2021 – July. 2021

School of Remote Sensing and Information Engineering, Wuhan University
Course: Computer Vision and Pattern Recognition

AWARDS AND HONORS

Outstanding Graduates	May 23th, 2023
First Class Entrance Scholarship for New Students	Sept. 10th, 2020
Outstanding Graduates	May 4th, 2020
Wang Zhizhuo innovative talent scholarship [<i>Only 4 undergrads university-wide annually awarded</i>]	Dec. 20th, 2019