Chen WANG

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EDUCATION

University of Pennsylvania   08/2023 - Present

Ph.D. in Computer and Information Science (Advisor: Lingjie Liu)

Tsinghua University   08/2016 - 06/2023

M.E. in Computer Science (Advisor: Shi-Min Hu)

B.E. in Computer Science, B.A. in Economics

PUBLICATIONS

1. Zheng Chen, Yan-Pei Cao, Yuan-Chen Guo, **Chen Wang**, Ying Shan, Song-Hai Zhang. PanoGRF: Generalizable Spherical Radiance Fields for Wide-baseline Panoramas. *Neural Information Processing Systems, 2023*

2. Jingyu Zhuang*, **Chen Wang***, Lingjie Liu, Guanbin Li, Liang Lin. DreamEditor: Text-Driven 3D Scene Editing with Neural Fields. *ACM Siggraph Asia (Conference Proceedings), 2023*

3. Yuan-Chen Guo, Yan-Pei Cao, **Chen Wang**, Yu He, Ying Shan, Xiaohu Qie, Song-Hai Zhang. VMesh: Hybrid Volume-Mesh Representation for Efficient View Synthesis. *ACM Siggraph Asia (Conference Proceedings), 2023*

4. **Chen Wang**, Jiadai Sun, Lina Liu, Chenming Wu, Zhelun Shen, Dayan Wu, Yuchao Dai, Liangjun Zhang. Digging into Depth Priors for Outdoor Neural Radiance Fields. *ACM Internation Conference on Multimedia, 2023*

5. **Chen Wang**, Angtian Wang, Junbo Li, Alan Yuille, Cihang Xie. Benchmarking Robustness in Neural Radiance Fields. *arXiv preprint arXiv:2301.04075.*

6. Zheng Chen, **Chen Wang**, Yuan-Chen Guo, Song-Hai Zhang. StructNeRF: Neural Radiance Fields for Indoor Scenes with Structural Hints. *IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023*

7. Jiacong Xu, Yi Zhang, Jiawei Peng, Wufei Ma, Artur Jesslen, Pengliang Ji, Qixin Hu, Jiehua Zhang, Qihao Liu, Jiahao Wang, Wei Ji, **Chen Wang**, Xiaoding Yuan, Prakhar Kaushik, Guofeng Zhang, Jie Liu, Yushan Xie, Yawen Cui, Alan Yuille, Adam Kortylewski. Animal3D: A Comprehensive Dataset of 3D Animal Pose and Shape. *IEEE Internation Conference on Computer Vision, 2023*

8. **Chen Wang***, Xian Wu*, Hongbo Fu, Ariel Shamir, Song-Hai Zhang, Shi-Min Hu. DeepPortraitDrawing: Generating Human Body Images from Freehand Sketches. *Computer & Graphics, 2023*

9. **Chen Wang**, Xian Wu, Yuan-Chen Guo, Yu-Wing Tai, Shi-Min Hu. NeRF-SR: High Quality Neural Radiance Fields using Supersampling. *ACM Internation Conference on Multimedia, 2022*

10. **Chen Wang**, Song-Hai Zhang, Yi-Zhuo Zhang, Stefanie Zollmann, Shi-Min Hu. On Rotation Gains Within and Beyond Perceptual Limitations for Seated VR. *IEEE Transactions on Visualization and Computer Graphics, 2022*

11. Ying-Tian Liu, Yuan-Chen Guo, Yi-Xiao Li, **Chen Wang**, Song-Hai Zhang. Learning Implicit Glyph Shape Representation. *IEEE Transactions on Visualization and Computer Graphics, 2022*

12. Xin Yi, **Chen Wang**, Xiaojun Bi, Yuanchun Shi. PalmBoard: Leveraging Implicit Touch Pressure in Statistical Decoding for Indirect Text Entry. *ACM Conference on Human Factors in Computing Systems, 2020*

HONORS & AWARDS

2022   China National Scholarship
2022   Siebel Scholar, Class of 2023
2018   Sohu R&D Scholarship

TEACHING AND SERVICE

Reviewer: WACV, PG, CVPR, ICLR
Teaching Assistant: CIS 7000, University of Pennsylvania   Fall 2023
Teaching Assistant: Virtual Reality, Tsinghua University   Fall 2022, Fall 2021
Teaching Assistant: Software Engineering, Tsinghua University   Fall 2019