

Xinyue WEI

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EDUCATION

University of California San Diego, USA

Ph.D. in Electrical and Computer Engineering

03/2021 – Present

Advisor: Prof. Hao Su

Tongji University, China

B.E. in Computer Science and Technology

GPA: 4.6/5.0 (90.98/100)

09/2016 – 06/2020

PUBLICATIONS

* indicates equal contribution

1. **Xinyue Wei***, Kai Zhang*, Sai Bi, Hao Tan, Fujun Luan, Valentin Deschaintre, Kalyan Sunkavalli, Hao Su, Zexiang Xu. *MeshLRM: Large Reconstruction Model for High-Quality Meshes*. Arxiv 2024.
2. Ruoxi Shi*, **Xinyue Wei***, Cheng Wang, Hao Su. *ZeroRF: Fast Sparse View 360° Reconstruction with Zero Pretraining*. CVPR 2024
3. Minghua Liu*, Ruoxi Shi*, Linghao Chen*, Zhuoyang Zhang*, Chao Xu*, **Xinyue Wei**, Hansheng Chen, Chong Zeng, Jiayuan Gu, Hao Su. *One-2-3-45++: Fast Single Image to 3D Objects with Consistent Multi-View Generation and 3D Diffusion*. CVPR 2024
4. Ruoxi Shi, Hansheng Chen, Zhuoyang Zhang, Minghua Liu, Chao Xu, **Xinyue Wei**, Linghao Chen, Chong Zeng, Hao Su. *Zero123++: A Single Image to Consistent Multi-view Diffusion Base Model*. Technical Report
5. **Xinyue Wei**, Fanbo Xiang, Sai Bi, Anpei Chen, Kalyan Sunkavalli, Zexiang Xu*, Hao Su*. *NeuManifold: Neural Watertight Manifold Reconstruction with Efficient and High-Quality Rendering Support*. Arxiv 2023
6. Anpei Chen, Zexiang Xu, **Xinyue Wei**, Siyu Tang, Hao Su, Andreas Geiger. *Dictionary Fields: Learning a Neural Basis Decomposition*. SIGGRAPH 2023 (Journal Track)
7. Jiayuan Gu, Fanbo Xiang, Xuanlin Li, Zhan Ling, Xiqiang Liu, Tongzhou Mu, Yihe Tang, Stone Tao, **Xinyue Wei**, Yunchao Yao, Xiaodi Yuan, Pengwei Xie, Zhiao Huang, Rui Chen, Hao Su. *ManiSkill2: A Unified Benchmark for Generalizable Manipulation Skills*. ICLR 2023
8. **Xinyue Wei***, Minghua Liu*, Zhan Ling, Hao Su. *Approximate Convex Decomposition for 3D Meshes with Collision-Aware Concavity and Tree Search*. SIGGRAPH 2022 (Journal Track)
9. **Xinyue Wei**, Haozhi Huang, Yujin Shi, Hongliang Yuan, Li Shen, Jue Wang. *End-to-End Adaptive Monte Carlo Denoising and Super-Resolution*. Arxiv 2021

WORK EXPERIENCE

- **SUDO AI** | Research Intern 03/2024 – Present
Advisor: Prof. Hao Su
- **Adobe** | Research Intern 10/2023 – 03/2024
Advisor: Dr. Zexiang Xu
- **Adobe** | Research Intern 06/2022 – 03/2023
Advisor: Dr. Zexiang Xu
- **Tencent AI Lab** | Research Intern at AI graphics group 02/2020 – 02/2021
Advisor: Dr. Haozhi Huang, Dr. Jue Wang
- **Johns Hopkins University** | Research Intern at CCVL 06/2019 – 10/2019
Advisor: Prof. Alan Yuille
- **Tongji University** | Research Assistant at VILL 09/2018 – 06/2020
Advisor: Prof. Cairong Zhao

SKILLS

- **Programming Languages:** Python, C/C++, Cuda, Shell
- **Tools:** Blender, Unreal Engine

HONORS AND SERVICES

- Reviewer for SIGGRAPH'22, SIGGRAPH Asia'23, CVPR'22'23'24, ECCV'22'24, ICCV'23, 3DV'23, ICRA'23, IEEE CGA
- WiGraph Rising Star 2024
- UCSD Electrical and Computer Engineering Department Fellowship 2021
- Tongji Outstanding Undergraduate (top 2%)
- Tongji Scholarship for Excellent Undergraduates 1st prize (top 5%)