

# Xinyue WEI

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## EDUCATION

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<b>University of California San Diego, USA</b> <i>Ph.D. in Electrical and Computer Engineering</i>	03/2021 – Present <i>Advisor: Prof. Hao Su</i>
<b>Tongji University, China</b> <i>B.E. in Computer Science and Technology</i> GPA: 4.6/5.0 (90.98/100)	09/2016 – 06/2020

## PUBLICATIONS

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\* indicates equal contribution

- Ruoxi Shi\*, **Xinyue Wei\***, Cheng Wang, Hao Su. *ZeroRF: Fast Sparse View 360° Reconstruction with Zero Pretraining*. CVPR 2024
- 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
- 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
- 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
- Anpei Chen, Zexiang Xu, **Xinyue Wei**, Siyu Tang, Hao Su, Andreas Geiger. *Dictionary Fields: Learning a Neural Basis Decomposition*. SIGGRAPH 2023 (Journal Track)
- 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
- 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)
- 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

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

## SKILLS

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

## HONORS AND SERVICES

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