Xi Chen

burningdust21@gmail.com | Homepage: burningdust21.github.io | Google Scholar | GitHub

Education

University of California San Diego Sep 2025 – Present
Ph.D. student in Computer Science and Engineering | Advisor: **Prof. Henrik I. Christensen**

Zhejiang University Sep 2022 – Jun 2025
Master of Software Engineering | Advisor: **Prof. Xiaowei Zhou**

Zhejiang University Aug 2018 – Jun 2022
Bachelor's degree | Advisor: **Prof. Xiaowei Zhou**

Research Experience

Adobe Research Jun 2026 – Sep 2026
Research Scientist Intern | Co-advised by **Ziwen Chen** and **Hanwen Jiang**

Autonomous AI research in language modeling.

University of California San Diego Jun 2024 – Dec 2024
Visiting Scholar | Advised by **Prof. Hao Su**

Feed-forward scene reconstruction, multi-view material recovery, and efficient relighting.

Publications

* Equal contribution. † Equal supervision.

Auto-Research Arena: Benchmarking and Advancing Auto-Research in Language Modeling.
Xi Chen, Chongjian Ge, Yiran Xu, Yiqun Mei, Henrik I. Christensen, Hao Tan, Ziwen Chen†, Hanwen Jiang†.
arXiv preprint arXiv:2610.35866, 2026. Paper | Project

LVSPM: Long Sequence View Synthesis and Pose Estimation Model.
Xi Chen, Yachi Zhang, Linghao Chen, Minghua Liu, Hao Su, Zexiang Xu, Xiaoshuai Zhang.
*European Conference on Computer Vision (**ECCV**)*, 2026. Paper | Project

EnvGS: Modeling View-Dependent Appearance with Environment Gaussian.
Tao Xie*, **Xi Chen***, Zhen Xu, Yiman Xie, Yudong Jin, Yujun Shen, Sida Peng, Hujun Bao, Xiaowei Zhou.
*IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2025. Paper | Project

IntrinsicAnything: Learning Diffusion Priors for Inverse Rendering Under Unknown Illumination.
Xi Chen, Sida Peng, Dongchen Yang, Yuan Liu, Bowen Pan, Chengfei Lv, Xiaowei Zhou.
*European Conference on Computer Vision (**ECCV**)*, 2024. Paper | Project

NeuralRecon: Real-Time Coherent 3D Scene Reconstruction From Monocular Video.
Xi Chen, Jiaming Sun, Yiming Xie, Hujun Bao, Xiaowei Zhou.
*IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**)*, 2024.

Neural 3D Reconstruction in the Wild.
Jiaming Sun, **Xi Chen**, Qianqian Wang, Zhengqi Li, Hadar Averbuch-Elor, Xiaowei Zhou, Noah Snavely.
*ACM **SIGGRAPH** Conference Proceedings*, 2022. Paper | Project

Research Interests

Auto research; robot learning; feed-forward scene reconstruction, novel view synthesis, and inverse rendering.

Technical Skills

Programming: Python, C/C++ **Tools:** PyTorch, CUDA, NVIDIA OptiX, Blender
Robotics: Franka

Honors and Awards

National Scholarship 2024
Outstanding Graduate, Zhejiang University 2022
Distinguished Undergraduate Thesis, Zhejiang University 2022
Scholarship and Outstanding Student Recognition, Zhejiang University 2019

Academic Service

Reviewer: ECCV, CVPR, ICLR, ICML, and IEEE TVCG.