

Xiang Feng

Email: xfeng.cg@gmail.com | Github: [f1shel](https://github.com/f1shel) | Website: <https://f1shel.github.io>

EDUCATION

University of California San Diego, USA

Sep, 2025 – Present

Ph.D. in Computer Science and Engineering

Zhejiang University, China

Sep, 2022 – Jun, 2025

M.Eng. in Computer Science

Zhejiang University, China

Sep, 2018 – Jun, 2022

B.Eng. in Computer Science (Mixed Class of Chu Kochen Honors College)

PUBLICATIONS

OpenSubstance: A High-quality Measured Dataset of Multi-View and -Lighting Images and Shapes

Fan Pei, Jincheng Bai, [Xiang Feng](#), Zoubin Bi, Kun Zhou, Hongzhi Wu, in *Conference on Computer Vision (ICCV) 2025*

ARM: Appearance Reconstruction Model for Relightable 3D Generation

[Xiang Feng](#)^{*}, Chang Yu^{*}, Zoubin Bi^{*} (equal contributions), Yintong Shang, Feng Gao, Hongzhi Wu, Kun Zhou, Chenfanfu Jiang, Yin Yang, in *Conference on Computer Vision and Pattern Recognition (CVPR) 2025* (**Highlight** paper).

Gaussian Splashing: Unified Particles for Versatile Motion Synthesis and Rendering

Yutao Feng^{*}, [Xiang Feng](#)^{*} (equal contributions), Yintong Shang, Ying Jiang, Chang Yu, Zeshun Zong, Tianjia Shao, Hongzhi Wu, Kun Zhou, Chenfanfu Jiang, Yin Yang, in *Conference on Computer Vision and Pattern Recognition (CVPR) 2025*.

Learning Photometric Feature Transform for Free-form Object Scan

[Xiang Feng](#), Kaizhang Kang, Fan Pei, Huakeng Ding, Jinjiang You, Ping Tan, Kun Zhou, Hongzhi Wu, in *IEEE Transactions on Visualization and Computer Graphics (TVCG) 2024*.

ElastoGen: 4D Generative Elastodynamics

Yutao Feng^{*}, Yintong Shang^{*}, [Xiang Feng](#)^{*} (equal contributions), Lei Lan, Shandian Zhe, Tianjia Shao, Hongzhi Wu, Kun Zhou, Hao Su, Chenfanfu Jiang, Yin Yang, in *arXiv preprint 2024*.

GS³: Efficient Relighting with Triple Gaussian Splatting

Zoubin Bi, Yixin Zeng, Chong Zeng, Fan Pei, [Xiang Feng](#), Kun Zhou, Hongzhi Wu, in *SIGGRAPH Asia 2024*.

Real-time Acquisition and Reconstruction of Dynamic Volumes with Neural Structured Illumination

Yixin Zeng, Zoubin Bi, Mingrui Yin, [Xiang Feng](#), Kun Zhou, Hongzhi Wu, in *Conference on Computer Vision and Pattern Recognition (CVPR) 2024*.

Differentiable Dynamic Visible-Light Tomography

Kaizhang Kang, Zoubin Bi, [Xiang Feng](#), Yican Dong, Hongzhi Wu, Kun Zhou, in *SIGGRAPH Asia 2023*.

RESEARCH EXPERIENCE

University of Utah, USA

Dec, 2023 – Feb, 2024; April, 2024 – Oct, 2024

Research Intern, Advisor: Prof. Yin Yang and Prof. Chenfanfu Jiang

Zhejiang University, China

Feb, 2022 – Jun, 2025

Research Intern, Advisor: Prof. Hongzhi Wu

PROJECTS

Asuna: Vulkan-based Path Tracer

A fundamental GPU path tracer written in C++ with VulkanRT extension, implementing common materials and Monte Carlo multiple importance sampling. Codes are available at <https://github.com/f1shel/asuna/>.

AWARDS & ACADEMIC SERVICE

2nd Prize in the ASC (Asia Student Supercomputer Challenge). Zhejiang Provincial Government Scholarship. Reviewer for IEEE TVCG, PG, AACL.

Last update: Oct 1, 2025