

Siyuan Xie

Curriculum Vitae

Shanghai, China / xiesy2022@shanghaitech.edu.cn / (+86) 187-2154-5095

EDUCATION

University of California, Berkeley 2024.08 - 2025.06 (Expected)
COE Exchange Program, Computer Science

ShanghaiTech University, Shanghai, China 2022.09 - 2026.06 (Expected)
Computer Science

- Total GPA: 3.85/4.0

- Major Ranking: 4/162

- TOEFL: 105/120

- Strength: Solid Programming/Maths Foundation; Excellent Leadership and Socialite; Devotion to Research; Strong Self-learning Capability;

- Research Areas: 3D Vision (Gaussian Splatting/NeRF), Computer Vision (Diffusion), LLM/LLM Agents

INTERN AND WORK EXPERIENCE

VRVC Lab, Frontier Base, ShanghaiTech University 2023.09 - Present
Undergraduate Research Intern — Shanghai NeuDim Digital Technology Inc.

Actively involved in researches related to DL-driven 3D scene reconstruction, such as NeRF and 3D Gaussian Splatting; Involved in the work of running experiments, writing codes and data processing. Also associated with development of server backend.

Introduction to Information Science and Technology (SI100B) 2023.09 - 2024.01
Teaching Assistant — ShanghaiTech University

Designed project for freshman; Responsible for validating homework problems and writing data points; Tutored lectures and recitation classes; Offered fixed office hours for individually-specific teaching; Checked academic integrity for homework.

PUBLICATIONS

V³: Viewing Volumetric Videos on Mobiles via Streamable 2D Dynamic Gaussians

Penghao Wang, Zhirui Zhang, Liao Wang, Kaixin Yao, **Siyuan Xie**, Jingyi Yu, Minye Wu, Lan Xu.

SIGGRAPH Asia 2024 (ACM Transactions on Graphics)

Project Page / Video / Arxiv

AWARDS AND HONORS

The Third Prize, Asia and Pacific Mathematical Contest in Modelling APMCM, 2022
Merit Student ShanghaiTech University, 2023

Merit Student of Social Practice ShanghaiTech University, 2023

The Third Prize, Innovation and Creative Works Contest ShanghaiTech University, 2023

VOLUNTEER EXPERIENCE AND ACTIVITIES

School of Information Science and Technology (SIST) 2022.09 - 2023.09
Volunteer — ShanghaiTech University

Scheduled experience-sharing sessions for senior students/graduates; Designed posters; Volunteered in SIST (School of Information Science and Technology) socialising activities.

Plasma Band 2022.09 - Present

Pianist/Keyboard

Attended numerous band performance, such as New-Years' Gala, Prism's Live and many other activities. Responsible for performing keyboard, composing piano scores and arranging band rehearsals.

SKILLS

Programming Languages: Python, Go, C/C++, MATLAB

Programming Backends: PyTorch, Flask

Language Skills: English(Fluent), Chinese(Native)

Other skills: Piano(Highest rank, certified by Shanghai Conservatory of Music)