Siyuan Xie

Curriculum Vitae

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EDUCATION

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 and Maths Foundation; Excellent Leadership and Socialite; Devotion to Research; Strong Self-learning Capability;

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

INTERN AND WORK EXPERIENCE

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

V^3: 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 neumerous 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)