Yintong Shang

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Education

University of Utah	*2022.8-Present*
PhD in Kahlert School of Computing	Expected in 2027.5

University of Science and Technology of China (**USTC**)	*2018.9-2022.6*
Bachelor of Engineering in Electronic Science and Technology	

- GPA: 3.61/4.3
- TOEFL: 106 (R:30 L:28 S:23 W:25)
- GRE: V:158 (79%) Q:169 (94%) W:4.0 (54%)

Publications

Gaussian Splashing: Dynamic Fluid Synthesis with Gaussian Splatting　arXiv　2024.1
Yutao Feng, Xiang Feng, Yintong Shang, Ying Jiang, Chang Yu, Zeshun Zong, Tianjia Shao, Hongzhi Wu, Kun Zhou, Chenfanfu Jiang, Yin Yang

PIE-NeRF: Physics-based Interactive Elastodynamics with NeRF (CVPR 2024)　paper　2023.11
Yutao Feng*, Yintong Shang*, Xuan Li, Tianjia Shao, Chenfanfu Jiang, Yin Yang

Research

Dynamic Fluid Synthesis with Gaussian Splatting　project page　2023.12-2024.4
Advisor: Prof. **Yin Yang**, Kahlert School of Computing, The University of Utah
- Integrate physics-based animations of solids and fluids with 3D Gaussian Splatting.

Physics-based NeRF Scene Deformation　project page　2023.5-2023.11
Advisor: Prof. **Yin Yang**, Kahlert School of Computing, The University of Utah
- Realize physics-based meshless elastic deformation to manipulate the neural radiance field.

Resolving Mesh Self-Intersections with Triangle Collisions　2022.8-2023.4
Advisor: Prof. **Yin Yang**, Kahlert School of Computing, The University of Utah
- Implement the Incremental Potential Contact method solved with the projected Newton.

Honors

Outstanding Student Scholarship of USTC (Silver, Top 13%)	2021.10
Outstanding Student Scholarship of USTC (Bronze, Top 33%)	2020.11
Win the first prize in Electromagnetics Course Paper Competition (**Top 1%**)	2019.12
Endeavor Student Scholarship	2019.12
2018 Excellent New Student Award (**Top 20%**)	2018.12
Talent Student Gold Scholarship of USTC, *Grade 1* (**Top 3%**)	2018.12
Talent Program in Information Science and Technology	2018.9-2022.6

Skills

- C++ (10000 lines)
- Python (3000 lines)
- C# (1200 lines)
- MATLAB (500 lines)

Activities

Fund and write letters to a teenage student to support her financially and spiritually.	2020
Volunteer to assist heirs of intangible cultural heritage with on-campus exhibitions.	2019
Volunteer to tutor primary students and perform scientific experiments for them.	2018