

Zhan ZHANG

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Address: 2306 Academic Surge, University of California, Davis

Educations

University of California, Davis

Sep 2021-

PhD, Computer Science

University of Science and Technology of China (USTC), Hefei

Sep 2017- Jul 2021

The School of Gifted Young

B.S with Honors, Applied Mathematics

B.S, Computer Science

Publications

- **Modeling and fabrication with specified discrete equivalence classes**
Zhong-Yuan Liu, **Zhan Zhang**, Di Zhang, Chunyang Ye, Ligang Liu, Xiao-Ming Fu
ACM Transactions on Graphics (SIGGRAPH) 2021
- **Gaze-contingent retinal speckle suppression for perceptually-matched foveated holographic displays**
Praneeth Chakravarthula, **Zhan Zhang**, Okan Tursun, Piotr Didyk, Qi Sun, Henry Fuchs
IEEE Transactions on Visualization and Computer Graphics (Proceedings of ISMAR) 2021

Research Experiences

Tandon School of Engineering, New York University (NYU)

Jul 2020- Oct 2020

Summer Intern

Advisor: Prof. Qi Sun

- Proposed a method for the reduction of the perceived speckle noise by taking foveal and peripheral vision characteristics of the HVS into account in our perceptually-aware holographic projections
- Implement light propagation framework in PyTorch

Graphics & Geometric Computing Laboratory, USTC

Sep 2019- May 2020

Undergraduate Research Fellow

Advisor: Prof. Xiaoming Fu and Prof. Ligang Liu

- Achieved a method of remeshing by local equidistant embedded anisotropic surface mesh generation
- Developed a geometric algorithm for infinite triangle distance norm

Awards & Scholarships

Research Fellowship

2023

International Student Research Award

2021

"Outstanding Student" Scholarship in USTC

2017, 2019

Leadership & Activities

Student Union of the School of Gifted Young, USTC | Officer

Sep 2017- Sep 2018

Student Union of USTC | Officer

Sep 2017- Sep 2018

Skills

- Proficient in language: C++, Python
- Proficient in software: LaTeX, MATLAB, Houdini