Zhan ZHANG

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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** 2021
  Zhong-Yuan Liu, **Zhan Zhang**, Di Zhang, Chunyang Ye, Ligang Liu, Xiao-Ming Fu
  ACM Transactions on Graphics (SIGGRPAH) 2021

- **Gaze-contingent retinal speckle suppression for perceptually-matched foveated holographic displays** 2021
  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