

Zhan ZHANG

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Address: 2306 Academic Surge, University of California, Davis

Educations

University of California, Davis PhD, Computer Science	Sep 2021-
University of Science and Technology of China (USTC), Hefei The School of Gifted Young B.S with Honors, Applied Mathematics; B.S, Computer Science	Sep 2017- Jul 2021

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	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	2021

Research Experiences

Computational Fabrication Lab, University of California, Davis <i>PhD Candidate</i> Advisor: Prof. Julian Panetta and Prof. Joseph Teran <ul style="list-style-type: none">Work on computational design of elastic metamaterials for large deformationDeveloped the first complete solution for designing microstructures over large deformation without collision	Sep 2021-
Tandon School of Engineering, New York University (NYU) <i>Summer Intern</i> Advisor: Prof. Qi Sun <ul style="list-style-type: none">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 projectionsImplement light propagation framework in PyTorch	Jul 2020- Oct 2020
Graphics & Geometric Computing Laboratory, USTC <i>Undergraduate Research Fellow</i> Advisor: Prof. Xiaoming Fu and Prof. Ligang Liu <ul style="list-style-type: none">Achieved a method of remeshing by local equidistant embedded anisotropic surface mesh generationDeveloped a geometric algorithm for infinite triangle distance norm	Sep 2019- May 2020

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