

Shuo Chen

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RESEARCH EXPERIENCE

- TSAIL, Tsinghua University** Oct. 2023 - Present
Internship in Computer Vision, advised by Prof. [Hang Su](#)
- Computational Cognition, Vision, and Learning, Johns Hopkins University** June 2023 - Present
Internship in Computer Vision, advised by Prof. [Alan L. Yuille](#)
- Department of Electronic Engineering, Tsinghua University** July 2022 - November 2022
Internship in Computer Vision, advised by Prof. [Yueqi Duan](#)

PROJECTS

- Large Reconstruction Model for 3D Generation** Oct. 2023 - Present
Internship in Computer Vision
- Physics-based Optimization for Visual Reasoning** June 2023 - Present
Internship in Computer Vision
- Build a physics simulation simulator that generates scene images consistent with the physical world.
 - Pose-estimation task consistent with physical world.
 - Scene representation, relational and temporal models for reasoning.
- MVS-NeRF with Semantic Segmentation** July 2022 - November 2022
Internship in Computer Vision
Integrating MVS-NeRF and Semantic-NeRF as baselines from the perspective of improving NeRF generalization.

EDUCATION

- 2020.9 - Present **Tsinghua University**
B.S. in Mathematics and Physics + Environmental Engineering (GPA: 3.71/4.0)
- 2023.7 - 2023.9 **Johns Hopkins University**
Summer research program in Computer Vision

TEACHING

- TA, Calculus A at Tsinghua University** Fall 2022
- TA, Calculus A at Tsinghua University** Fall 2023

SKILLS

- Programming Languages **C, C++, Python, Matlab, JavaScript**
- Deep learning **Pytorch, TensorFlow, Open3D, Pytorch3D, PyBullet, Blender**

SELECTED HONORS

Second Level Scholarship of Weiyang College
First Level Scholarship of Tsinghua University

October 2022
October 2021