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   June 2023 - Present
University
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
Learn a generic 3D prior for reconstructing an object from a single image

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 October 2022

First Level Scholarship of Tsinghua University October 2021