

Shuo Chen

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RESEARCH EXPERIENCE

Computational Cognition, Vision, and Learning, Johns Hopkins University Internship in Computer Vision, advised by Prof. Alan L. Yuille	June 2023 - Present
Department of Electronic Engineering, Tsinghua University Internship in Computer Vision, advised by Prof. Lu Fang	November 2022- May 2023
Department of Electronic Engineering, Tsinghua University Internship in Computer Vision, advised by Prof. Yueqi Duan	July 2022 - November 2022

PROJECTS

Physics-based Optimization for Visual Reasoning <i>Internship in Computer Vision</i> <ul style="list-style-type: none">• 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.	June 2023 - Present
MVS-NeRF with semantic segmentation <i>Internship in Computer Vision</i> Integrating MVS-NeRF and Semantic-NeRF as baselines from the perspective of improving NeRF generalization.	July 2022 - November 2022

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

SKILLS

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

SELECTED HONORS

Second Level Scholarship of Weiyang College	October 2022
Third prize in APMCM	December 2021
First Level Scholarship of Tsinghua University	October 2021