

# Shuo Chen

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## RESEARCH EXPERIENCE

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

## PROJECTS

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<b>Physics-based Optimization for Visual Reasoning</b> <i>Internship in Computer Vision</i> <ul style="list-style-type: none"><li>• Build a physics simulation simulator that generates scene images consistent with the physical world.</li><li>• Pose-estimation task consistent with physical world.</li><li>• Scene representation, relational and temporal models for reasoning.</li></ul>	June 2023 - Present
<b>MVS-NeRF with semantic segmentation</b> <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

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

## TEACHING

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<b>TA, Calculus A at Tsinghua University</b>	Fall 2022
<b>TA, Calculus A at Tsinghua University</b>	Fall 2023

## SKILLS

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

## SELECTED HONORS

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<b>Second Level Scholarship of Weiyang College</b>	October 2022
<b>First Level Scholarship of Tsinghua University</b>	October 2021

Last updated: October 6, 2023