

# Runmao Yao

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## Education

**Tsinghua University**, B.Eng. in Software Engineering

Sept 2021 – Jun 2025

- GPA: 3.84/4.00 (93.14/100)

## Publications

- [1] **Runmao Yao\***, Junsheng Zhou\*, Zhen Dong, Yu-Shen Liu  
*AnchoredDream: Zero-Shot 360° Indoor Scene Synthesis from a Single View via Geometric Grounding*  
**arXiv**, 2026
- [2] **Runmao Yao**, Yi Du, Zhuoqun Chen, Haoze Zheng, Chen Wang  
*AirRoom: Objects Matter in Room Reidentification*  
IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2025
- [3] Yi Du, Zhipeng Zhao, Shaoshu Su, Sharath Golluri, Haoze Zheng, **Runmao Yao**, Chen Wang  
*SuperPC: A Single Diffusion Model for Point Cloud Completion, Upsampling, Denoising, and Colorization*  
IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2025

## Research Experiences

**MMLab@NTU, Nanyang Technological University**

Oct 2025 – Present

Research Assistant supervised by Prof. Ziwei Liu [🔗](#)

*Research Topic: Thinking with Videos*

**School of Software, Tsinghua University**

Dec 2024 – Jun 2025

Undergraduate thesis supervised by Prof. Yu-Shen Liu [🔗](#)

*Research Topic: Single-View Indoor Scene Synthesis*

**SAIR Lab, University at Buffalo**

Jul 2024 – Feb 2025

Intern supervised by Prof. Chen Wang [🔗](#)

*Research Topic: Room Reidentification*

## Awards and Honors

**Second Prize Scholarship for Incoming Students**, Tsinghua University

Dec 2021

**Third Prize in the Software Competition**, Tsinghua University

Jan 2022, Jun 2023

**Outstanding Admission Volunteer**, Tsinghua University

Jul 2022

**Sports Excellence Award**, Tsinghua University

Sep 2022

**Comprehensive Excellence Award**, Tsinghua University (**Top 5%**)

Sep 2023, Sep 2024

## SERVICES

- Conference Reviewer

IEEE ICRA 2025 Workshop FMNS

## Skills

**Programming:** C, C++, Python, Java, HTML, CSS, JavaScript

**Techniques:** Pytorch, Docker, Git

**Languages:** English(Proficient), Chinese(Native)