

# CHONG XIA

mobile: (+86) 13012607058 · email: xiac24@mails.tsinghua.edu.cn  
wechat: 13012607058 · GitHub: <https://xiac20.github.io/>



## EDUCATION

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- Tsinghua University, *PhD*** 2024.09 - Present
- **Major:** Electronic Engineering
  - **Supervisor:** Yueqi Duan
  - **Research Topic:** 3D Vision and Embodied AI
  - **Research Focus:** Specializing in 3D vision technologies and applications
- Tsinghua University, *Undergraduate*** 2020.09 - 2024.06
- **Major:** Department of Automation
  - **GPA:** 3.87/4.0
  - **Core Courses:** Computer Vision, Machine Learning, Digital Image Processing, Pattern Recognition
  - **Thesis:** Research on Adapter-Designed Online 3D Perception Methods

## PUBLICATIONS

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- Conference on Computer Vision and Pattern Recognition (CVPR) Highlight** 2026
- **Title:** SimRecon: SimReady Compositional Scene Reconstruction from Real Videos
  - **Authors:** Chong Xia\*, Kai Zhu\*, Zizhuo Wang, Fangfu Liu, Zhizheng Zhang, Yueqi Duan
- Conference on Computer Vision and Pattern Recognition (CVPR) Findings** 2026
- **Title:** OnlineX: Unified Online 3D Reconstruction and Understanding with Active-to-Stable State Evolution
  - **Authors:** Chong Xia, Fangfu Liu, Yule Wang, Yize Pang, Yueqi Duan
- International Conference on Computer Vision (ICCV)** 2025
- **Title:** ScenePainter: Semantically Consistent Perpetual 3D Scene Generation with Concept Relation Alignment
  - **Authors:** Chong Xia, Shengjun Zhang, Fangfu Liu, Chang Liu, Khodchaphun Hirunyaratsameewong, Yueqi Duan
- Conference on Computer Vision and Pattern Recognition (CVPR)** 2024
- **Title:** Memory-based Adapters for Online 3D Scene Perception
  - **Authors:** Xiuwei Xu\*, Chong Xia\*, Ziwei Wang, Linqing Zhao, Yueqi Duan, Jie Zhou, Jiwen Lu
- International Conference on Intelligent Robots and Systems (IROS)** 2025
- **Title:** Anyview: Generalizable Indoor 3D Object Detection with Variable Frames
  - **Authors:** Zhenyu Wu, Xiuwei Xu, Ziwei Wang, Chong Xia, Linqing Zhao, Jiwen Lu, Haibin Yan

## HONORS AND AWARDS

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- Tsinghua University Outstanding Graduate 2024
- Tsinghua University Comprehensive Excellence Scholarship 2023
- Tsinghua University Comprehensive Excellence Scholarship 2022
- Tsinghua University Comprehensive Excellence Scholarship 2021