

Mutian Xu (Mino), Ph.D. Candidate

✉ mutianxu@link.cuhk.edu.cn
🌐 <https://mutianxu.github.io/>



Education

- 2021.08 – now  **Chinese University of Hong Kong (Shenzhen), China**
Ph.D. Student
– Supervisor: Prof. Xiaoguang Han
– Research Area: Computer Vision, Deep Learning
- 2018.09 – 2020.03  **University of California, Irvine, USA**
M.Sc. in Computer Engineering (GPA: 3.592/4.0)
- 2014.08 – 2018.06  **Xidian University, China**
B.Eng. in Radio Wave Propagation and Antenna (GPA: 3.56/4.0)

Experience



- 2020.06 – 2021.02  **CVMI Lab, The University of Hong Kong**
Research Assistant
– Advisor: Prof. Xiaojuan Qi
– Topic: 3D Point Cloud Convolution
- 2019.07 – 2019.11  **Multimedia Lab, Shenzhen Institutes of Advanced Technology**
Visiting Student
– Advisor: Prof. Yu Qiao and Dr. Zhipeng Zhou
– Topic: 3D Object Point Cloud Classification and Segmentation
- 2019.04 – 2019.06  **University Of California, Irvine**
Master Individual Project
– Advisor: Prof. Charless Fowlkes
– Topic: 3D Object Reconstruction Based on Structured Light

Publications (* denotes equal contribution, † indicates project lead)







Conference Proceedings

- 1 Qiu, L., Chen, G., Zhou, J., **Xu, M.**, Wang, J., & Han, X. (2023). REC-MV: REconstructing 3D Dynamic Cloth from Monocular Videos. In *CVPR 2023*.
- 2 Xu, M. *, **Xu, M.** *, He, T., Ouyang, W., Wang, Y., Han, X., & Qiao, Y. (2023). MM-3DScene: 3D Scene Understanding by Customizing Masked Modeling with Informative-Preserved Reconstruction and Self-Distilled Consistency. In *CVPR 2023*.
- 3 Yu, X., **Xu, M.** †, Zhang, Y., Liu, H., Ye, C., Han, X., & *et al.* (2023). MVImgNet: A Large-scale Dataset of Multi-view Images. In *CVPR 2023*.
- 4 **Xu, M.** *, Chen, P. *, Liu, H., & Han, X. (2022). TO-Scene: A Large-scale Dataset for Understanding 3D Tabletop Scenes. In *ECCV 2022*, **Oral Presentation**.
- 5 **Xu, M.** *, Ding, R. *, Zhao, H., & Qi, X. (2021). PAConv: Position Adaptive Convolution with Dynamic Kernel Assembling on Point Clouds. In *CVPR 2021*.
- 6 **Xu, M.** *, Zhang, J. *, Zhou, Z., Xu, M., Qi, X., & Qiao, Y. (2021). Learning Geometry-Disentangled Representation for Complementary Understanding of 3D Object Point Cloud. In *AAAI 2021*.




Professional Services

Journal Reviewer  TIP, IJCV, TVCG, NEUCOM, TMM, MVAP
Conference Reviewer  CVPR, ICCV, ICLR, NeurIPS, WACV




Certificate

2023  Outstanding Reviewer, CVPR 2023
2022  Outstanding Teaching Assistant Award of CUHKSZ
2017  TOFEL Test, 104/120
  GRE Test, 325/340
  Second-class school-level scholarship
2016  Third-class school-level scholarship

Talks

2023  Outstanding Student Forum of Valse 2023
  Outstanding Student Forum of China 3DV 2023
2022  Youth PhD Talk - ECCV 2022, invited by AI-TIME

Teaching

2021-22  CSC1001: Introduction to Computer Science: Programming Methodology
  CSC1002: Computational Laboratory
2022-23  CSC3002: Introduction to Computer Science: Programming Paradigms

Previous Mentorship

Pei Chen, M.Phil. at CUHKSZ, now at Ant Group.

Miscellaneous

3rd Place in the 31st School Singer Contest, Xidian University.
Piano Professional Certificate Level 10.