

# Mutian Xu (Mino), Ph.D. Student

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🌐 <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)

### 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

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**Journal Reviewer**     TIP, IJCV, TVCG, NEUCOM, TMM, MVAP  
**Conference Reviewer**     CVPR, ICCV, NeurIPS, AAAI




## Certificate

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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

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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

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

## Previous Mentorship

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

## Miscellaneous

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