

# XIANG XU

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## EDUCATION

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| <b>Nanjing University of Aeronautics and Astronautics</b><br><b>Ph.D.</b> in College of Computer Science and Technology<br>Advisor: Prof. Qingshan Liu | <i>April 2023 - Present</i>   |
| <b>Nanjing University of Information Science and Technology</b><br><b>M.S.</b> in School of Automation<br>Advisor: Prof. Qingshan Liu                  | <i>Sept. 2018 - Jun. 2021</i> |
| <b>Nanjing University of Information Science and Technology</b><br><b>B.S.</b> in School of Information and Control                                    | <i>Sept. 2014 - Jun. 2018</i> |

## PUBLICATIONS & MANUSCRIPTS

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1. Lingdong Kong\*, **Xiang Xu\***, Jun Cen, Wenwei Zhang, Liang Pan, Kai Chen, Ziwei Liu  
**Calib3D: Calibrating Model Preferences for Reliable 3D Scene Understanding**  
*arXiv Preprint, 2024.*
2. **Xiang Xu**, Lingdong Kong, Hui Shuai, Qingshan Liu  
**FRNet: Frustum-Range Networks for Scalable LiDAR Segmentation**  
*arXiv Preprint, 2023.*
3. Hui Shuai, **Xiang Xu**, Qingshan Liu  
**Waterfall-Net: Waterfall Feature Aggregation for Point Cloud Semantic Segmentation**  
*Chinese Conference on Pattern Recognition and Computer Vision (PRCV), 2022.*
4. Lei Zhu, Shanmin Wang, Zengqun Zhao, **Xiang Xu**, Qingshan Liu  
**CED-Net: Contextual Encoder-Decoder Network for 3D Face Reconstruction**  
*Multimedia Systems, 2022.*
5. **Xiang Xu**, Gang Huang, Laifeng Hu, Yaonong Wang  
**Semantic-Aware Object Detection for 3D Point Cloud**  
*International Conference on Optics and Machine Vision (ICOMV), 2022.*
6. Hui Shuai, **Xiang Xu**, Qingshan Liu  
**Backward Attentive Fusing Network with Local Aggregation Classifier for 3D Point Cloud Semantic Segmentation**  
*IEEE Transactions on Image Processing (TIP), 2021.*

## EXPERIENCE

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| <b>Leapmotor Technologies Co. Ltd.</b><br>Algorithm engineer<br>LiDAR perception group | <i>Jul. 2021 - Feb. 2023</i><br>Mentor: Laifeng Hu |
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## RESEARCH PROJECTS

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**MMDetection3D: OpenMMLab next-generation platform for general 3D object detection**

Jan. 2023 - Present

Work closely with Wenwei Zhang, Lingdong Kong.

## **SELECTED HONORS**

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- The Second Prize Scholarship, NUIST, 2020
- Outstanding Freshman Scholarship (Nanjing, NUIST), 2018
- The First Prize Scholarship, NUIST, 2015, 2016, 2017
- The First Prize of National Undergraduate Electronics Design Contest in Jiangsu Division, 2016