

XIANG XU

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EDUCATION

Nanjing University of Aeronautics and Astronautics, Nanjing, China *April 2023 – Present*
Ph.D. in College of Computer Science and Technology
Advisor: Prof. Qingshan Liu

Nanjing University of Information Science and Technology, Nanjing, China *Sept. 2018 – Jun. 2021*
M.S. in School of Automation
Advisor: Prof. Qingshan Liu

Nanjing University of Information Science and Technology, Nanjing, China *Sept. 2014 – Jun. 2018*
B.S. in School of Information and Control

PUBLICATIONS & MANUSCRIPTS

1. 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.
2. Lei Zhu, Shanmin Wang, Zengqun Zhao, **Xiang Xu**, Qingshan Liu.
CED-Net: Contextual Encoder-Decoder Network for 3D Face Reconstruction
Multimedia Systems, 2022.
3. **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.
4. 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.
5. **Xiang Xu**, Hui Shuai, Qingshan Liu
Octant Convolutional Neural Network for 3D Point Cloud Analysis
ACTA AUTOMATICA SINICA, 2021 (written in Chinese).

EXPERIENCE

Leapmotor Technologies Co. Ltd.	<i>Jul. 2021 – Feb. 2023</i>
Algorithm engineer	Mentor: Laifeng Hu
LiDAR perception group.	

RESEARCH PROJECTS

MMDetection3D: OpenMMLab next-generation platform for general 3D object detection
Jan. 2023 – Present
Work closely with Wenwei Zhang.

SELECTED HONORS

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