





CONTACT  
INFORMATION

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ACADEMIC  
HISTORY

**ShanghaiTech University**

Fall 2019 - Spring 2022 (expected)

- M.S. in Computer Science and Engineering
- Advisor: Prof. Jingyi Yu

**Shandong University**

Fall 2015 - Spring 2019

- B.S. in Automatic Control
- Advisor: Prof. Guoliang Liu

PUBLICATIONS

1. **Quan Meng**, Anpei Chen, Haimin Luo, Minye Wu, Hao Su, Lan Xu, Xuming He, and Jingyi Yu  
 GNeRF: GAN-Based Neural Radiance Field without Posed Camera  
*Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV), 2021*  
**Oral Presentation: 3.4%**  
 We introduce GNeRF, a method that can estimate camera poses and neural radiance fields jointly when the cameras are initialized at random poses in complex scenarios (outside-in scenes, even with less texture or intense noise ). We achieve this by marrying Generative Adversarial Networks (GAN) with Neural Radiance Field.
2. **Quan Meng**, Jiakai Zhang, Qiang Hu, Xuming He, and Jingyi Yu  
 LGNN: A Context-Aware Line Segment Detector  
*Proceedings of the 28th ACM International Conference on Multimedia (ACM MM), 2020*  
**Poster: 27.9%**  
 Existing approaches require a computationally expensive verification or postprocessing step. Our LGNN employs a deep convolutional neural network (DCNN) for proposing line segments directly, with a graph neural network (GNN) module for reasoning their connectivities. LGNN achieves comparable performance and enables time-sensitive 3D applications.

HONORS AND  
AWARDS

- First prices in [World Robot Contest Fighting Robot Competition.](#) 2017
- First prices (Shan Dong) in [National Undergraduate Electronics Design Contest](#) 2017, 2018
- National Scholarship Award 2021

TECHNICAL  
SKILLS

- *Softwares*: Linux, C/C++, Python, Java, Pytorch, Opencv, Latex, Matlab, Qt.
- *Hardware*s: STM32, STC, PCB.