

# Ziheng Zhang

## EDUCATION BACKGROUND

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### ShanghaiTech University

MA. SC, Computer Science, School of Information Science and Technology

Shanghai, China

Sept. 2016-now

### Xidian University

B.Eng., Aerospace Science and Technology

XiAn, China

Sept. 2012-Jun. 2016

## PUBLICATIONS

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### Published

- **Ziheng Zhang**, , Zhengxin Li, Ning Bi, Jia Zheng, Jinlei Wang, Kun Huang, Weixin Luo, Yanyu Xu and Shenghua Gao. "PPGNet: Learning Point-Pair Graph for Line Segment Detection", in *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019, pp. 7105-7114
- Dongze Lian\*, **Ziheng Zhang**\*, Weixin Luo, Lina Hu, Minye Wu, Zechao Li, Jingyi Yu and Shenghua Gao. "RGBD Based Gaze Estimation via Multi-task CNN", in *In Thirty-Third AAAI Conference on Artificial Intelligence (AAAI-19)* (\* equal contribution)
- **Ziheng Zhang**\*, Yanyu Xu\*, Jingyi Yu and Shenghua Gao. "Saliency Detection in 360° Videos", in *The European Conference on Computer Vision (ECCV)*, 2018 (\* equal contribution)
- **Ziheng Zhang**\*, Anpei Chen\*, Ling Xie, Jingyi Yu and Shenghua Gao. "Learning Semantics-aware Distance Map with Semantics Layering Network for Amodal Instance Segmentation", in *27th ACM International Conference on Multimedia (ACM MM)*, 2019 (\* equal contribution)

### Submitted

- Yanyu Xu, Zhixin Piao, Wen Liu, **Ziheng Zhang**, Jingyi Yu and Shenghua Gao. "SUNNet: A Novel Framework for Simultaneous Human Parsing and Pose Estimation" (Submitted to The British Machine Vision Conference 2019)
- Anpei Chen, Zhang Chen, Guli Zhang, **Ziheng Zhang**, Kenny Mitchell and Jingyi Yu. "Photo-Realistic Facial Details Synthesis from Single Image" (Submitted to IEEE International Conference on Computer Vision 2019)

## SKILLS

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Extensive knowledge and experience of Linux, Python language, and could use Python packages including PyTorch, Numpy, OpenCV, Scikit-learn and so on fluently. Can also use some C, C++, matlab language and TensorFlow, Caffe framework.

## AWARDS, ACHIEVEMENTS and More

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- 2nd place in WebVision Challenge on Image Classification Task (Top University Team) 2017
- Outstanding Graduates (10/5107, Xidian University) June.2012
- Meritorious in Mathematical Contest in Modeling Mar.2012

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