

Curriculum Vitae  
**Xiaojuan Qi**  
Department of Engineering Science  
University of Oxford  
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## ACADEMIC AND PROFESSIONAL QUALIFICATION

**Ph.D. in Computer Science** (2014-2018), The Chinese University of Hong Kong  
Thesis: Pixel-level Scene Understanding with Deep Learning  
Advisor: Jiaya Jia

**B.Eng. in Electronic Science** (2010-2014), Shanghai Jiao Tong University, China  
Ranking: 1 out of 70  
Advisor: Ya Zhang

## RESEARCH EXPERIENCES

Postdoctoral Researcher in University of Oxford  
Advisor: Philip H. S. Torr  
December 2018 - Present

Research Intern in Intel Visual Computing Lab  
Advisor: Vladlen Koltun  
May 2017 - November 2017

Visiting Student in Machine Learning Group, University of Toronto  
Advisor: Raquel Urtasun and Sanja Fidler  
September 2016 - November 2016

## SELECTED REFEREED PAPERS

1. Image Inpainting via Generative Multi-column Convolutional Neural Networks  
Yi Wang, Xin Tao, **Xiaojuan Qi**, Xiaoyong Shen, Jiaya Jia.  
Conference on Neural Information Processing Systems (**NIPS**), 2018.
2. ICNet for Real-time Semantic Segmentation on High-resolution Images  
Hengshuang Zhao, **Xiaojuan Qi**, Xiaoyong Shen, Jianping Shi, Jiaya Jia.  
European Conference on Computer Vision (**ECCV**), 2018.
3. GAL: Geometric Adversarial Loss for Single-View 3D-Object Reconstruction  
Li Jiang, Shaoshuai Shi, **Xiaojuan Qi**, Jiaya Jia.  
European Conference on Computer Vision (**ECCV**), 2018.  
(Oral Acceptance rate: 2.1% )

4. Self-Boosted Gesture Interactive System with ST-Net  
Zhengzhe Liu\*, **Xiaojuan Qi**\*, Lei Pang.  
ACM Multimedia Conference (MM), 2018.  
(Full Research Paper, \*indicates equal contribution)
5. GeoNet: Geometric Neural Network for Joint Depth and Surface Normal Estimation  
**Xiaojuan Qi**, Renjie Liao, Zhengzhe Liu, Raquel Urtasun, Jiaya Jia.  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018.
6. Semi-parametric Image Synthesis  
**Xiaojuan Qi**, Qifeng Chen, Jiaya Jia, Vladlen Koltun.  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018.  
(Oral Acceptance Rate: 2.1%)
7. Referring Image Segmentation via Recurrent Refinement Networks  
Ruiyu Li, Kaican Li, Yi-Chun Kuo, Michelle Shu, **Xiaojuan Qi**, Xiaoyong Shen, Jiaya Jia.  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018.
8. 3D Graph Neural Networks for RGBD Semantic Segmentation  
**Xiaojuan Qi**, Renjie Liao, Jiaya Jia, Sanja Fidler, Raquel Urtasun.  
IEEE Conference on Computer Vision (ICCV), 2017.  
(Oral Acceptance Rate: 2.1%)
9. Pyramid Scene Parsing Network  
Hengshuang Zhao, Jianping Shi, **Xiaojuan Qi**, Xiaogang Wang, Jiaya Jia.  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017.  
(First Place in ImageNet Scene Parsing Challenge)
10. DCAN: Deep Contour-aware Networks for Object Instance Segmentation from Histology Images  
Hao Chen, **Xiaojuan Qi**, Lequan Yu, Qi Dou, Jing Qin, Pheng-Ann Heng.  
Medical Image Analysis (MIA), 2017.
11. Augmented Feedback in Semantic Segmentation under Image Level Supervision  
**Xiaojuan Qi**, Zhengzhe Liu, Jianping Shi, Hengshuang Zhao, Jiaya Jia.  
European Conference on Computer Vision (ECCV), 2016.
12. Multi-scale Patch Aggregation (MPA) for Simultaneous Detection and Segmentation  
Shu Liu, **Xiaojuan Qi**, Jianping Shi, Hong Zhang, Jiaya Jia.  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2016.  
(Oral Acceptance Rate: 3.9%)
13. DCAN: Deep Contour-Aware Networks for Accurate Gland Segmentation.  
Hao Chen, **Xiaojuan Qi**, Lequan Yu, Pheng-Ann Heng.  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2016.
14. Deep Contextual Networks for Neuronal Structure Segmentation.  
Hao Chen\*, **Xiaojuan Qi**\*, Jie-zhi Cheng, Pheng-Ann Heng.  
Association for the Advancement of Artificial Intelligence (AAAI), 2016.  
(Oral Presentation, \*indicates equal contribution)

15. Semantic Segmentation with Object Clique Potential  
**Xiaojuan Qi**, Jianping Shi, Shu Liu, Renjie Liao, Jiaya Jia.  
International Conference on Computer Vision (ICCV), 2015.

## PROFESSIONAL SERVICES

### Conference Reviewer:

International Conference on Computer Vision and Pattern Recognition (CVPR) 2019.  
International Joint Conference on Artificial Intelligence (IJCAI) 2019.  
European Conference on Computer Vision (ECCV) 2018.  
International Conference on Computer Vision and Pattern Recognition (CVPR) 2018.  
Neural Information Systems Processing Conference (NIPS) 2018.  
Asian Conference on Computer Vision (ACCV) 2018.  
International Conference on Computer Vision (ICCV) 2017.

### Journal Reviewer:

International Journal on Computer Vision (IJCV).  
IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI).  
IEEE Transaction on Image Processing (TIP).  
Pattern Recognition (PR).  
Medical Image Analysis (MIA).  
IEEE Transaction on Medical Imaging (TMI).

## AWARDS AND RECOGNITION

Full Oral presentations (acceptance rate about 2% – 4%) at ECCV 2018, CVPR 2018, ICCV 2017, CVPR 2016, AAAI 2016.

CVPR'18 Doctoral Consortium Travel Award.

Outstanding Reviewer Award at ICCV 2017.

Hong Kong PhD Fellowship Award (200 candidates in Hong Kong), 2014 - 2018.

PSPNet won ImageNet Scene Parsing Challenge 2016.

DCAN won MICCAI Gland Segmentation Challenge 2015.

Excellent Graduate Award of Shanghai Jiao Tong University, 2014.

Excellent Student Scholarship, Shanghai Jiao Tong University, 2011 - 2013.

SCSK Corporation (Japan) Scholarship, 2013.

Pan Wenyuan (Tai Wan) Scholarship, 2011.

## TALKS AND PRESENTATIONS

GeoNet for Joint Depth and Surface Normal Estimation, GAMES Webinar 2019.

Semi-parametric Image Synthesis, CVPR 2018.

Pixel-level Image Understanding, UC Berkeley (BAIR), April 2018.

3D Graph Neural Network for RGBD Semantic Segmentation, GAMES Webinar 2017.

3D Graph Neural Network for RGBD Semantic Segmentation, ICCV 2017.