

# XIAOJUAN QI

(852) 52673756   ◇ xjq@se.cuhk.edu.hk

The Chinese University of Hong Kong, Shatin, New Territory, Hong Kong

## EDUCATION

---

**The Chinese University of Hong Kong**

August 2014 - Present

PhD in Computer Science & Engineering

Advisor: Jiaya Jia

Research Interest: Computer Vision and Machine Learning

**Shanghai Jiao Tong University**

September 2010 - July 2014

B.Eng. in Electronic Science and Technology

Ranking: 1/70

GPA: 92.45/100

## EXPERIENCES

---

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

## RESEARCH HIGHLIGHTS

---

1. GeoNet: Geometric Neural Network for Joint Depth and Surface Normal Estimation

**Xiaojuan Qi**, Renjie Liao, Zhengzhe Liu, Raquel Urtasun, Jiaya Jia.

In International Conference on Computer Vision and Pattern Recognition (CVPR 2018).

2. Photographic Image Synthesis with External Memory

**Xiaojuan Qi**, Qifeng Chen, Jiaya Jia, Vladlen Koltun.

In International Conference on Computer Vision and Pattern Recognition (CVPR 2018).

3. 3D Graph Neural Networks for RGBD Semantic Segmentation

**Xiaojuan Qi**, Renjie Liao, Jiaya Jia, Sanja Fidler, Raquel Urtasun.

In International Conference on Computer Vision (ICCV 2017). **Oral.**

4. Augmented Feedback in Semantic Segmentation under Image Level Supervision.

**Xiaojuan Qi**, Zhengzhe Liu, Jianping Shi, Hengshuang Zhao, Jiaya Jia.

In European Conference on Computer Vision (ECCV 2016).

5. Deep Contextual Networks for Neuronal Structure Segmentation.

Hao Chen\*, **Xiaojuan Qi**\*, Jie-zhi Cheng, Pheng-Ann Heng.

In Association for the Advancement of Artificial Intelligence (AAAI 2016). **Oral.**

(\* indicates equal contribution)

6. Semantic Segmentation with Object Clique Potential.

**Xiaojuan Qi**, Jianping Shi, Shu Liu, Renjie Liao, Jiaya Jia.

In International Conference on Computer Vision (ICCV 2015).

## OTHER PUBLICATIONS

---

7. 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).
8. ICNet for Real-time Semantic Segmentation on High-resolution Images  
Hengshuang Zhao, **Xiaojuan Qi**, Xiaoyong Shen, Jianping Shi, Jiaya Jia.  
In Arxiv 2017.
9. Semantically Consistent Image Completion with Fine-grained Details  
Pengpeng Liu, **Xiaojuan Qi**, Pinjia He, Yikang Li, Michael R Lyu, Irwin King.  
In Arxiv 2017.
10. Pyramid Scene Parsing Network.  
Hengshuang Zhao, Jianping Shi, **Xiaojuan Qi**, Xiaogang Wang, Jiaya Jia.  
In International Conference on Computer Vision and Pattern Recognition (CVPR 2017).
11. Multi-scale Patch Aggregation (MPA) for Simultaneous Detection and Segmentation.  
Shu Liu, **Xiaojuan Qi**, Jianping Shi, Hong Zhang, Jiaya Jia.  
In Computer Vision and Pattern Recognition (CVPR 2016). **Oral**.
12. DCAN: Deep Contour-Aware Networks for Accurate Gland Segmentation.  
Hao Chen, **Xiaojuan Qi**, Lequan Yu, Pheng-Ann Heng.  
In International Conference on Computer Vision and Pattern Recognition (CVPR 2016).

## PROFESSIONAL ACTIVITIES

---

Conference Reviewer: CVPR 2018, ICCV 2017 (Outstanding Reviewer), IJCAI 2018.

Journal Reviewer: Pattern Recognition.

## HONORS AND AWARDS

---

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

Our team, SenseCUSceneParsing, has ranked No. 1 in ImageNet Scene Parsing Challenge 2016.

Our team, CUMedVision, has ranked No. 1 in MICCAI Gland Segmentation Challenge 2015.

Excellent Graduate Award of Shanghai Jiao Tong University (top 10%), 2014

Excellent Student Scholarship, Shanghai Jiao Tong University (top 10%), 2011 - 2013

SCSK Corporation (Japan) Scholarship (top 5%), 2013

PanWen Yuan (Tai Wan) Scholarship (top 5%), 2011