XIAOJUAN QI

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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). **Oral**.

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