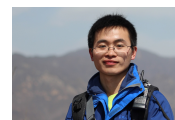


Hongwei Qin

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Education

- 2012–present **Ph.D.(expected 2017)**, *Department of Automation, Tsinghua University, Beijing.*
Research interest: computer vision
- 2008–2012 **B.Eng.**, *Department of Automation, Tsinghua University, Beijing.*

Research Experience

- Fall, 2012 – **PhD Student Researcher**, *Tsinghua University.*
Present - With Prof. Xiu Li
- Focusing on computer vision and deep learning. I've done research on CNN model compression, face recognition, object detection, image classification, semantic segmentation and 3D reconstruction.
- Summer, **Research Intern**, *SenseTime.*
2015 - Spent some happy time doing research on face detection.
- Spring, 2014 **Research Assistant**, *Broadband Network and Digital Media Laboratory, Department of Automation, Tsinghua University, Beijing.*
- Worked on depth estimation from single still images (2D to 3D). Our algorithm used a very light-weight model while achieved state-of-the-art results. See publications (ACCV2014, T.CSVT2016) for details.
- Worked with Prof. Qionghai Dai and Dr. Yangang Wang (now with MSRA).
- Nov. 2013 **Visiting Student**, *Web Science DTC, University of Southampton, UK.*
- Investigated Visualizations of Marketing Trends on Online Social Networks
- Summer, **Visiting Student**, *The Intelligent Modelling and Analysis Research Group, The*
2011 *University of Nottingham, UK.*
- Investigated Energy Decision in Future City

Publications

Hongwei Qin, Junjie Yan, Xiu Li, and Xiaolin Hu. Joint training of cascaded CNN for face detection. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2016.

Hongwei Qin, Xiu Li, Yangang Wang, Yongbing Zhang, and Qionghai Dai. Dept: Depth estimation by parameter transfer with a lightweight model for single still images. *Circuits and Systems for Video Technology, IEEE Transactions on*, 2016.

Hongwei Qin, Xiu Li, Jian Liang, Yigang Peng, and Changshui Zhang. Deepfish: Accurate underwater live fish recognition with a deep architecture. *Neurocomputing*, 2015.

Hongwei Qin, Xiu Li, Zhixiong Yang, and Min Shang. When underwater imagery

analysis meets deep learning: a solution at the age of big visual data. In *Oceans*. IEEE, 2015.

Xiu Li, Min Shang, Hongwei Qin, and Liansheng Chen. Fast accurate fish detection and recognition of underwater images with fast rcnn. In *Oceans*. IEEE, 2015.

Xiu Li, Jing Hao, Hongwei Qin, and Liansheng Chen. Real-time fish localization with binarized normed gradients. In *Oceans*. IEEE, 2015.

Xiu Li, Hongwei Qin, Yangang Wang, Yongbing Zhang, and Qionghai Dai. DEPT: Depth estimation by parameter transfer for single still images. In *The 12th Asian Conference on Computer Vision (ACCV)*, 2014.

Hongwei Qin, Yigang Peng, and Xiu Li. Foreground extraction of underwater videos via sparse and low-rank matrix decomposition. In *Computer Vision for Analysis of Underwater Imagery, 2014 ICPR Workshop on*. IEEE, 2014.

Academic Activities

Since 2014 **Reviewer: CVPR 2017 2016, WACV 2016 2015 .**

Since 2017 **President and Founder of Tsinghua-SenseTime AI Club.**

Languages

English **IELTS score 6.5**

Exam taken at Feb. 2015

Awards

Nov. 2014 **National PhD Fellowship.**

Oct. 2009 **Gold Medal for Social Service.**

- Top 1%. Ranked 2nd out of hundreds of teams
- Served as team leader

Interests

2012–2013 **Mountaineering.**

- Served as team member and climbing captain in Tsinghua University Mountaineering Team
- Climbed Touding Mengke Snow Mountain East Peak (5483m) and South Peak (5475m) in Gansu, Xuanwu Peak (5383m) in Sichuan, and Tuanjie Peak(5827m) in Qinghai

2013–present **Cycling.**

- Surrounded Qinghai Lake; Completed North Guangdong Line

2015–present **Long Distance Hiking.**

- Shenzhen 100km Hiking 2015 2016

2010–present **Marathon.**

- Completed several half Marathons in Beijing, Guangzhou and Shenzhen

2012–present **Photography.**

- Photographed for 2012 Tsinghua University Mountaineering Team

2014–present **Blogger, <http://qinhongwei.com>.**