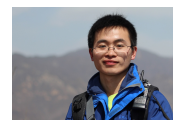


Hongwei Qin

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Education

2012–2017 **Ph.D.**, *Department of Automation, Tsinghua University, Beijing.*
Research interest: computer vision and deep learning

2008–2012 **B.Eng.**, *Department of Automation, Tsinghua University, Beijing.*

Research Experience

2012 – 2017 **PhD Student Researcher**, *Tsinghua University.*

- 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.

2015 – 2017 **Research Intern**, *SenseTime.*

- Delivered face detection solutions for all the face products of SenseTime.

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, 2011 **Visiting Student**, *The Intelligent Modelling and Analysis Research Group, The University of Nottingham, UK.*

- Investigated Energy Decision in Future City

Publications

Zekun Hao, Yu Liu, Hongwei Qin, Junjie Yan, Xiu Li, and Xiaolin Hu. Scale-aware face detection. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2017.

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.

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.**

Awards

Nov. 2014 **National PhD Fellowship.**

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

- Top 1%.
- Served as team leader

Interests

2012–2013 **Mountaineering.**

- Served as team member and climbing captain in Tsinghua University Mountaineering Team
- Climbed Touting 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 2017
- North Xinjiang Hiking in 2017 as an after-graduation trip

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>.

2017–present **WeChat blog**, *Coming soon.*