

Jianbo Jiao

PH.D. CANDIDATE · COMPUTER SCIENCE

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Education

City University of Hong Kong (CityU)

Hong Kong

PH.D. IN COMPUTER SCIENCE

Sep. 2015 - Present

- Research interests include computer vision, computer graphics, and deep learning.
- GPA: 4.0/4.2

Peking University (PKU)

Beijing, China

M.S. IN COMPUTER APPLIED TECHNOLOGY

Sep. 2012 - Jul. 2015

- Be recommended for admission eligibility.
- GPA: 3.76/4.0

Southwest Jiaotong University (SWJTU)

Chengdu, China

B.ENG. IN COMPUTER SCIENCE AND TECHNOLOGY

Sep. 2008 - Jul. 2012

- Mao Yi-sheng Honors Class.
- GPA: 3.71/4.0

Publications

Joint Image Denoising and Disparity Estimation via Stereo Structure PCA and Noise-Tolerant Cost

Jianbo Jiao, Qingxiong Yang, Shengfeng He, Shuhang Gu, Lei Zhang, Rynson W. H. Lau

International Journal of Computer Vision (IJCV), 2017

FormResNet: Formatted Residual Learning for Image Restoration

Jianbo Jiao, Wei-chi Tu, Shengfeng He, Rynson W. H. Lau

IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshop (NTIRE), 2017

A Hand Pose Tracking Benchmark From Stereo Matching

Jiawei Zhang, Jianbo Jiao, Mingliang Chen, Liangqiong Qu, Xiaobin Xu, Qingxiong Yang

IEEE International Conference on Image Processing (ICIP), 2017

Color Image Guided Boundaryinconsistent Region Refinement for Stereo Matching

Jianbo Jiao, Ronggang Wang, Wenmin Wang, Dagang Li, Wen Gao

IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2015

Local Stereo Matching with Improved Matching Cost and Disparity Refinement

Jianbo Jiao, Ronggang Wang, Wenmin Wang, Shengfu Dong, Zhenyu Wang, Wen Gao

IEEE Multimedia, 2014

Cost-Volume Filtering-Based Stereo Matching with Improved Matching Cost and Secondary Refinement

Jianbo Jiao, Ronggang Wang, Wenmin Wang, Shengfu Dong, Zhenyu Wang, Wen Gao

IEEE International Conference on Multimedia and Expo (ICME), Oral, **Best Student Paper** candidate, 2014

Depth Map and Disparity Map Refinement Method and Equipment

Jianbo Jiao, Ronggang Wang, Zhenyu Wang, Wenmin Wang, Wen Gao

PCT Patent, PCT/CN2015/078382[P], 2015

RADAR Disparity Refinement, Stereo Matching and Refinement System

Jianbo Jiao, Ronggang Wang, Zhenyu Wang, Wen Gao, Wenmin Wang, Shengfu Dong

Chinese Patent, 201310698887.1[P], 2013

Honors & Awards

2015 - Present	Hong Kong PhD Fellowship Scheme	Research Grants Council (RGC) of Hong Kong
2015 - 2016	Chow Yei Ching School of Graduate Studies Entrance Scholarships	CityU
Jul. 2015	Outstanding Graduate Thesis of Peking University	PKU
Jul. 2015	Outstanding Graduate of Beijing	Beijing Municipal Education Commission
Jun. 2015	Outstanding Graduate of Peking University	PKU
Dec. 2014	National Scholarship (graduate student), Top 0.4%	Ministry of Education of the P.R.C
Oct. 2014	"Innovation Award" of PKU, Top 0.8%	PKU
2014	Research Excellence Award, twice	Digital Media R&D Center, PKU
Dec. 2013	"Wu Si" Scholarship	PKU
Dec. 2013	Social Work Award	PKU
2011	Mao Yisheng Railway Educational Star of Hope, Top 0.01%	Mao Yi-sheng science and technology education foundation
Nov. 2011	Medal of "Si Shi Yang Hua", Highest personal honor of SWJTU	SWJTU
Nov. 2010	National Scholarship (undergraduate student)	Ministry of Education of the P.R.C
2008 - 2012	Undergraduate Scholarship (each semester), Merit student	SWJTU

Teaching Experience

2015 - 2016	Certificate of Merit for good performance in <i>Teaching Students: First Steps</i>	Graduate Studies, CityU
Jan. 2017 – May 2017	Teaching Assistant Computer Graphics (CS4182/CS5182)	Department of Computer Science, CityU
Aug. 2016 – Jan. 2017	Teaching Assistant Multimedia Technologies and Applications (CS4185)	Department of Computer Science, CityU
Jan. 2016 – May 2016	Teaching Assistant Computer Vision for Interactivity (CS4187)	Department of Computer Science, CityU
Sep. 2015 – Jan. 2016	Teaching Assistant Computer Programming (CS2311)	Department of Computer Science, CityU
Mar. 2013 – Jun. 2013	Teaching Assistant Digital Media Software and System Development (04703920)	School of Electronic and Computer Engineering, PKU
Sep. 2012 – Jan. 2013	Teaching Assistant Fundamentals of Digital Media Technology (04713901)	School of Electronic and Computer Engineering, PKU

Professional Activities

Reviewer

- Neurocomputing
- IEEE Signal Processing Letters

Memberships

- IEEE Membership (Graduate Student Member)
- IEEE Young Professionals
- ACM SIGGRAPH Membership

Skills

Programming C/C++, Matlab, Python, and LaTeX
Tools & Framework Proficient in OpenCV, MatConvNet, and Torch/PyTorch. Experience with QT, OpenMP, OpenGL, and Git.