Jianbo **Jiao**

PH.D. CANDIDATE · COMPUTER SCIENCE

City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong SAR

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Education

City University of Hong Kong (CityU)   *Sep. 2015 - Present*

PH.D. IN COMPUTER SCIENCE   *GPA: 4.0/4.2*

- Research interests include computer vision, computer graphics, and deep learning.

Peking University (PKU)   *Sep. 2012 - Jul. 2015*

M.S. IN COMPUTER APPLIED TECHNOLOGY   *GPA: 3.76/4.0*

- Be recommended for admission eligibility.

Southwest Jiaotong University (SWJTU)   *Sep. 2008 - Jul. 2012*

B.ENG. IN COMPUTER SCIENCE AND TECHNOLOGY   *GPA: 3.71/4.0*

- Mao Yi-sheng Honors Class.

Publications

Delving into Salient Object Subitizing and Detection

Shengfeng He, **Jianbo Jiao**, Xiaodan Zhang, Guoqiang Han, Rynson W.H. Lau

*International Conference on Computer Vision (**ICCV**), 2017*

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),Oral, 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**), Oral, 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

Aug. 2017	Outstanding Academic Performance Award	*CityU*
2017 - 2018	Research Tuition Scholarship	*CityU*
2015 - Present	Hong Kong PhD Fellowship Scheme,**Top scholarship for Hong Kong PhD**	*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	Outstanding Scholarship	*Cooperative Medianet Innovation Center*
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 *Teaching Students: First Steps*	*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
- Pattern Analysis and Machine Intelligence, IEEE Computer Society Technical Committee on
- ACM SIGGRAPH Membership

Skills

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