

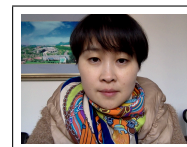
# Qi Jia

## Curriculum Vitae

School of Software Technology  
Dalian University of Technology, Dalian, P.R.China 116620

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### Experiences

2008.01–Now **Lecturer**, School of Software Technology, Dalian University of Technology (DUT), P.R.China.

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### Educations

2010.9–2014.6 **Ph.D. in Computer Science and Technology**, School of Computer Science and Technology, Dalian University of Technology, P.R.China.

Advisor: Prof. He Guo and Prof. Xin Fan.

2005.9–2007.12 **M.S. in Computer Science and Technology**, School of Computer Science and Technology, Dalian University of Technology, P.R.China.

Advisor: Prof. He Guo.

2001.9–2005.7 **B.S. in Computer Science and Technology**, School of Computer Science and Technology, Dalian University of Technology, P.R.China.

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### Teaching Experience

2009-2011, 2016 Computer Vision

2010-2016 Principle of Compiler

2010-2012 C Programming

2010-2012 Digital image processing

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### Grants

2015.1-2017.12 National Natural Science Foundation of China (No. 61402077).

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### Honors

2010, 2013, 2014 Outstanding Undergraduate Thesis Supervisor, Dalian University of Technology

2011, 2013 Excellent Prize of Teaching Quality, Dalian University of Technology

2010 Most popular teacher, Software school of Dalian University of Technology

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### Patent

2015 **Qi Jia**, He Guo, Xin Fan, Fengqi Li, Yi Wang, Yu Liu. A shape matching framework using metric partition constraint. 2015. China. No. ZL201310011263.8

- 2015 Zhongxuan Luo, Xin Fan, **Qi Jia**, Daiyun Luo, Xinchun Zhou. A shape descriptor based on new projective invariants. 2015. China. No. ZL201310131631.2

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## Research Sketch

My core research interests is shape matching in pattern recognition and computer vision.

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## Publications

### 2016

[1]. **Qi Jia**, Xin Fan\*, Yu Liu, Haojie Li, Zhongxuan Luo, and He Guo. Hierarchical projective invariant contexts for shape recognition. *Pattern Recognition*, 2016, 52: 358-374. (SCI, EI)

### 2015

[2]. **Qi Jia**, Xin Fan\*, Zhongxuan Luo, Haojie Li, Kang Huyan, and Zezhou Li. Cross-view Action Matching Using a Novel Projective Invariant on Non-coplanar Space-time points. *Multimedia Tools and Application*, 2015?DOI: 10.1007/s11042-015-2704-4. (SCI, EI).

[3]. **Qi Jia**, Xinkai Gao, He Guo\*, Zhongxuan Luo and Yi Wang. Multi-Layer Sparse Representation for Weighted LBP-Patches Based Facial Expression Recognition. *Sensors*, 2015, 15(3): 6719-6739. (SCI, EI).

[4]. Yi Wang, Juncheng Liu, Xin Fan\*, Xiangjian He, **Qi Jia**, and Renjie Gao. Online Gesture-based Interaction with Visual Oriental Characters based on Manifold Learning. *Signal Processin.* 2015,110:123-131.(SCI, EI).

[5]. **Qi Jia**, Xinkai Gao, Zhongxuan Luo, Xin Fan\*, and He Guo. Feature points matching based on geometric constraints. *Journal of Computer-Aided Design and Computer Graphics.* 2015, 27(8):1389-1398, in Chinese. (EI).

[6]. **Qi jia**, Yu Liu, Xin Fan\*, He Guo, and Xinkai Gao. Shape matching using hierarchical cross ratio contexts. *Journal of Computer-Aided Design and Computer Graphics.* 2015(12):2247-2255, in Chinese. (EI).

### 2014

[7]. **Qi jia**, Xin Fan\*, Zhongxuan Luo, Yu Liu, He Guo. A new geometric descriptor for symbols with affine deformations. *Pattern Recognition Letters.* 2014, 40(15): 128-135. (SCI, EI).

[8]. Zhen Feng, He Guo, Yuxin Wang, and **Qi jia**. Modified l1-SPIRiT with SVD-based joint-sparsity model. *Journal of Computational Information Systems.* 2014, 10(5):2009-2016. (EI).

[9]. **Qi jia**, Yu Liu, He Guo, Xin Fan, and Yuxin Wang. Shape matching using metric partition constrains. In *Journal of Computer-Aided Design and Computer Graphics.* 2014, 26(1):65-71, in Chinese. (EI)

[10]. Xin Fan, Zhongxuan Luo\*, Jielin Zhang, Xinchun Zhou, **Qi jia**, and Daiyun Luo. Characteristic Number: Theory and Its Application to Shape Analysis. *Axioms.* 2014, 3(2): 202-221.

### 2013

[11]. **Qi jia**, Xiaoyu Tian, Xin Fan\*, Zhongxuan Luo, and He Guo. Planar object recognition based on characteristic ratio. *Computer Research and Development.* 2013, 50(9):1883-1892, in Chinese. (EI).

[12]. Zhen Feng, Feng Liu, He Guo\*, Zhikui Chen, Mingfeng Jiang, Mingjian Hong, and **Qi jia**. Distributed Compressed Sensing MRI Using Volume Array Coil. *International Journal of Distributed Sensor Networks.* 2013, Article ID 989678, doi:10.1155/2013/989678 (SCI, EI).

[13]. He Guo\*?Yuxin Wang, Zhen Feng?Yulong Yu, **Qi jia**, Yuanyuan Wang, Yao Liu, Lijie Zhng, and Yiting Hou. GPGPU-accelerated parallelization practice and analysis for image segmentation methods. *Information Technology Journal.* 2013, 12(20): 5440-5446. (EI).

- [14]. Yu Liu, **Qi jia**, He Guo, and Xin Fan\*. A shape matching framework using metric partition constraint. In *ICIP*, 2013. (Poster).
- [15]. Zhongxuan Luo, Daiyun Luo, Xin Fan, Xinchun Zhou, and **Qi jia**. A shape descriptor based on new projective invariants. In *ICIP*, 2013. (Oral).
- [16]. Yu Liu, He Guo, Yulong Yu, **Qi jia**, and Yiting Hou. Parallel acceleration of histogram specification based on group mapping law. In *CISP*, 2013.(Oral).