

# Jixiong Feng (冯继雄)

## PROFILE

Male / Female: Male  
Date of Birth: Oct.28, 1990  
Nationality: China  
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## EDUCATION

- Tsinghua University (2013.8-2015.7) Master of Science  
GPA: 89.13/100 Ranking: 18/128  
Major: Information and Communication Engineering
- Zhejiang University (2009.8-2013.7) Bachelor of Engineering  
GPA: 4.58/5.0 Ranking: 3/232  
Major: Information and Communication Engineering

## WORK EXPERIENCE

- Institute of Electronics, Chinese Academy of Science (2015.7-Now) Research Assistant  
Job Description: Image Processing and Interpretation System Developing

## SUMMARY OF RESEARCH

- Research on Handwritten Historical Chinese Character Recognition 2013-2015  
Handwritten historical Chinese character recognition is difficult because of the lack of training set. In this research, I proposed a novel non-linear style transfer mapping based on Gaussian process (GP-STM). According to this transfer learning method, I successfully mapped the samples to another field, which can be fully trained. The research was published in SPIE 2015, which won a best student award.
- Research on Gait based Human Recognition 2012-2013  
The gait is the style of one's walking. In this research, I proposed a HMM based method to recognize humans from their gait videos. This research was the graduate thesis in Zhejiang University.
- Research on A Locating Handring System base on GPS for the Old. 2012-2013  
This research was supported by Zhejiang Province government. The background of this

research was that old people sometimes encountered terrible circumstance on his/her alone, such as heart attackss The research aimed to build an on-hand-system, chich monitored the user's pulse.Once the user's pulse became abnormal, the system would send text message to the user's families.

## RESEARCH TECHNIQUES AND SKILLS

- Theories in Math & Electronics & Information Tecnology  
Algebra, Optimization, Probablity Theory;  
Digital Circuit Design, Single Chip Computer, CPU design, Digital Signal Processing;  
Computer Vision, Pattern Recognition, Information Theory, Deep Learning Theory;
- Algorithms in Computer Science  
Sorting, Data Structure, Object Oriented Programming, Design Pattern
- Programming Languages & Skills  
C/C++/C#, MATLAB, Python, Android-Java, Verilog HDL, STL, Boost, Oracle, Hadoop

## PAPERS & PATENTS

- Liangrui Peng and **Jixiong Feng**. Historical Chinese Character Recognition Using Transfer Learning. Advances in Chinese Document and Text Processing: pp. 127-146.2017
- **Feng, Jixiong**, L. Peng, and F. Lebourgeois. "Gaussian process style transfer mapping for historical Chinese character recognition." SPIE/IS&T Electronic Imaging International Society for Optics and Photonics, 2015.
- **Feng, Jixiong**, M. Zhang, W. Shen, et al. Intelligent locating monitoring wrist guard:, CN 203195678 U[P]. 2013.

## HONOR & AWARDS

- Best Student Award of the 22nd Document Recognition & Retrieval, SPIE2015 (San Francisco, USA)
- 3rd Award of Tsinghua Student Award (2015)  
National Award (2010, 2011, 2012)  
2nd award of the National Math Competition for the Undergraduates

## LANGUAGE ABILITIES

- Mandarin: Native speaker, Fluently
- English: CET-6 (Score:555), CET-4 (Score:612)