

Jixiong Feng



PROFILE

Gender: 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 system and applications of GIS

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 non-linear style transfer mapping based on Gaussian process (GP-STM). According to this transfer learning method, I mapped the samples to another field, which could be fully trained. The research was published in SPIE 2015, and 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 Hand-ring System with pulse-measurement and Locating Service. 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.

RECENT PROJECTS

- **Highly Accessible Image Server** 2017
The project utilized over ten server servers to provide TIFF images measuring over 10GB each to users. High access techniques, HTTP services and other image process methods were adopted.
- **Named Entity Recognition System based on Web Information** 2017
The project included fetching the web pages, automatically analysing texts and displaying the results, where spider techniques, deep learning methods and web front-end programming were used.

RESEARCH TECHNIQUES AND SKILLS

- **Electronic Engineering**
Algebra, Optimization, Probability Theory; Digital Circuit Design, Single Chip Computer, CPU design, Digital Signal Processing
- **Computer Science**
Data Structure, Object Oriented Programming, Design Pattern
C/C++/C#, MATLAB, Python and JavaScript (a little), LATEX
TensorFlow, PyTorch, Caffe, OpenCV

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.

SELECTED HONOR & AWARDS

- Best Student Award of the 22nd Document Recognition & Retrieval, SPIE (2015)
- 3rd Award of Tsinghua Student Award (2015)
- Honor out of the graduates of Zhejiang Provincial Institutions of Higher Learning (2013)

LANGUAGE ABILITIES

- Mandarin: Native speaker
- English: CET-6 (Score:555), IELTS (Score:6.0, trying to achieve 6.5 or higher)