

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 (2009.9-2013.7) 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) Assistant Research Fellow
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 undergraduate 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
(**Skilled**) C/C++/C#, MATLAB, Python, OpenCV
(**Familiar**) TensorFlow, PyTorch, Caffe, Docker, and JavaScript

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)