

EDUCATION

- *Bachelor of Science (BSc)* 2009.9-2013.6
Telecommunications Engineering with Management
Beijing University of Posts and Telecommunications (BUPT)
Major GPA: 87.14 / 100
Overall GPA: 85.10 / 100
- *Bachelor of Science (BSc)* 2009.9-2013.6
Telecommunications Engineering with Management
Queen Mary, University of London (QMUL), UK
Joint Programme with BUPT

PUBLICATIONS

- [1] Shikai Chen, **Jianfeng Wang**, Yuedong Chen, Zhongchao Shi, Xin Geng, Yong Rui
"Auxiliary Task Guided Label Distribution Learning for Facial Expression Recognition"
Under review, International Conference on Computer Vision (ICCV-2019).
- [2] Yuedong Chen, **Jianfeng Wang**, Shikai Chen, Zhongchao Shi, Jianfei Cai
"Facial Motion Prior Networks for Facial Expression Recognition"
Under review, IEEE International Conference on Visual Communications and Images Processing (VCIP-2019).
- [3] **Jianfeng Wang**, Xiaolin Hu
"Convolutional Neural Networks with Gated Recurrent Connections"
Under review, IEEE Trans on Pattern Analysis & Machine Intelligence (TPAMI).
- [4] **Jianfeng Wang**, Xiaolin Hu
"Gated Recurrent Convolution Neural Network for OCR"
In Proc. of Advances in Neural Information Processing Systems (NIPS), 2017.
The source code and pre-trained model can be found at:
<https://github.com/Jianfeng1991/GRCNN-for-OCR>
- [5] Haihong E, **Jianfeng Wang**, Meina Song, Qiang Bi, Yingyi Liu
"Incremental Weighted Bipartite Algorithm for Large-scale Recommendation Systems"
In Turkish Journal of Electrical Engineering & Computer Science, 2016.

INTERNSHIPS or WORKING EXPERIENCE

- **AI Lab Lenovo Research** 2017.7-present
Computer Vision Researcher
 - Project: Face Recognition
 - We studied deep learning and implemented a new combined angular margin loss for face recognition.
 - We implemented MobileNet, MobileNet-v2, ShuffleNet and ShuffleNet-v2 for face recognition on mobile devices.
 - We now investigating a new end-to-end transfer learning framework that is capable of dealing with training datasets subjecting to long-tail distribution.
 - Project: Facial Expression Recognition (FER)
 - We proposed a Facial Motion Prior Networks which involves the facial motion mask for the FER task.

- We proposed a new method that introduces related auxiliary tasks to guide the network to learn facial expressions.

- **Project: Face Anti-Spoofing**

- We investigate new framework for face anti-spoofing problem.

State Key Laboratory of Intelligent Technology and Systems, Department of Computer Science and Technology, Tsinghua University.

Visiting Student, Supervised by Prof. Xiaolin Hu

2015.10-2017.5

- **Project: Scene Text Recognition**

- We proposed a new network architecture which is called Gated Recurrent Convolution Neural Network for scene text recognition. The proposed model achieved state-of-the-art results on several benchmark datasets.

- **Project: Object Recognition**

- We applied our GRCNN to object recognition task to verify its effectiveness. It obtained very competitive results on CIFAR, SVHN and ImageNet-2012.

- **Project: Action Recognition in Videos**

- We studied the 3D convolution networks, and recurrent neural network for action recognition.

PCA-CAD Center, Department of Computer Science, Beijing University of Posts and Telecommunications.

Visiting Student, Supervised by Prof. Haihong E and Meina Song

2013.11-2015.10

- **Incremental Weighted Bipartite Network for Recommender System:**

- We proposed and implemented an incremental algorithm to update the weights efficiently in weighted bipartite network for recommender system.

- **Collaborative filtering recommender system:**

- We implemented user-based algorithm and item-based algorithm for book recommendation system in university.

- **Text classification:** we designed and implemented a system for text classification. It contains:

- Chinese word segmentation
- TF-IDF for feature representation
- Naive Bayes for text classification.

MISCELLANEOUS

- **Academic Services:** Reviewer for ICML2019, NeurIPS2019.

- **Toolbox:** Experienced with Torch, Caffe, Tensorflow.

- **Honors and Awards:**

- Second-class scholarship of the school (top 8%) 2009-2010
- Third-class scholarship of the school (top 10%) 2010-2011
- First prize, School Physics Competition 2009
- Ranked 2nd in Chinese Traffic Sign Recognition Competition 2015

- **Language:** IELTS 7.0
Reading: 8.0, Listening: 7.5, Writing: 6.0, Speaking: 6.5