JINCHANG XU

apply for PhD (+86) 188-1131-5302 xjc1@bupt.edu.cn github.com/xujinchang

EDUCATION

Beijing University of Posts and Telecommunications, Beijing, China 2016 – Present
M.S. in Communication Engineering *Grades* 87.96 *GPA* **3.7** *Rank* **12**/710
Major in *Computer Vision* and *Deep Learning* Image and Video Search Lab
Beijing University of Posts and Telecommunications, Beijing, China 2012 – 2016
B.S. in Applied Physics **Ye Peida experimental class** *Grades* 89.45 *GPA* **3.8** *Rank* **2**/60

PAPER

1. **J.C.Xu**, Y.Zhao, Y.Dong and H.L.Bai, **Fast and Accurate Image Super-Resolution Using A Combined Loss**, *2nd NTIRE: New Trends in Image Restoration and Enhancement workshop and challenge on image super-resolution in conjunction with Computer Vision and Pattern Recognition **(CVPR)** 2017* Published
2. **J.C.Xu**, Y.Dong, L.L.Ma and H.L.Bai, **Video-based Emotion Recognition using Aggregated Features and Spatio-temporal Information**, *24th International Conference on Pattern Recognition **(ICPR)** 2018* Accepted
3. Face Hallucination with Ting Images in Surveillance by Wasserstein GANs submitted

PATENTS

1. **J.C.Xu**, Y.Dong and H.L.Bai, **A blur face reconstruction method and system based on generative adversarial network**, [P], CN107730458A, 02/23/2018
2. **J.C.Xu**, Y.Dong and H.L.Bai, **A quiet and silent iveness detection method and system**, [P], CN107609494A, 01/19/2018
3. **J.C.Xu**, Y.Dong and H.L.Bai, **A super resolution method and system based on deep learning**, [P], CN107578377A, 01/12/2018
4. **J.C.Xu**, Y.Dong and H.L.Bai, **A liveness detection method based on face recognition**, [P], CN106845395A, 06/03/2017

COMPETITIONS

1. **3rd** place, Visual Domain Adaptation Challenge classification, **IEEE** International Conference on Computer Vision (**ICCV**) Workshop, 2017, organized by Stanford University. **[code]**
2. **5th** place, ChaLearn LAP Real Vs Fake Expressed Emotion Challenge,**IEEE** International Conference on Computer Vision (**ICCV**) Workshop, 2017, organized by icv team. **[code]**
3. **top 1%**, **honorable mention**,The third Baidu and Xi'an Jiao Tong University big data competition, 2017, organized by Baidu and Xi'an Jiao Tong University **[code]**
4. **6th** place, **ImageNet** Large Scale Visual Recognition Challenge (ILSVRC), **IEEE** Conference on Computer Vision and Pattern Recognition (**CVPR)** Workshop, 2017, organized by Stanford University. **[results]**
5. **5th** place, New Trends in Image Restoration and Enhancement(**NTIRE**) on Super Resolution Challenge, **IEEE** Conference on Computer Vision and Pattern Recognition (**CVPR)** Workshop, 2018, organized by Computer Vision Laboratory. **[results]**
6. **2nd** Prize, Contemporary Undergraduate Mathematical Contest in Modeling (**CUMCM**), 2014, organized by China Society for Industrial and Applied Mathematics(**CSIAM**).

INTERNSHIP

Research Intern at Tencent WeChat Group Mar. 2018 – Present

- Optimize the speed time of image super resolution.

♡ Honors and Awards

1. **First-class Scholarship**, Beijing University of Posts and Telecommunications, 2016,2017
2. **Excellent graduate students (top 5%)**, Beijing University of Posts and Telecommunications, 2017
3. **National Encouragement Scholarship**, the Ministry of Education, China, 2013,2014
4. **Enterprise Scholarship**, Bright Oceans Corporation, 2013,2014,2015
5. **Merit Students**, Beijing University of Posts and Telecommunications, 2013,2014

Research Experience

1. **Image Super Resolution** Mar. 2017 – Present
   - Proposed a noval network structure called **TLSR** which achieving the **1st** speed on the DIV2K super resolution competition. Research on the application of **GAN** in image super resolution. **[code]**
2. **Landmark Detection** Nov. 2016 – Mar. 2017
   - Applying **cascaded CNN** method and **cascade regression tree** algorithm to locating face landmark points;real time detection on mobile device.
3. **Liveness Detection** Jun. 2016 – Nov. 2016
   - Achieved the **98%** accuracy on the publicly liveness detection datasets. Increased the generalization ability of the model by collecting several types of attack data and analyzing feature information.

Teaching Experience

EBU723U *Teaching Assistants* Sep. 2017 – Jan. 2018

- Teaching assistant of QM-BUPT Joint Programme module directed by Yi-Zhe Song, Associate Professor from the school of Computer Science, Queen Mary University of London.

Skills

- Deep Learning frameworks: Caffe/Tensorlow/Pytorch.
- Programming: C/C++, Python, Matlab, Git, Vim, Latex.
- Visual Libraries: OpenCV.
- Platform: Linux, Windows.