JINCHANG XU

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EDUCATION

Beijing University of Posts and Telecommunications *Sep. 2016 - present*
M.S. in Information and Communication Engineering
Major in Computer Vision and Deep Learning
Supervisor: Prof. Yuan Dong
GPA: 87.96/100. Rank: 12/710

Beijing University of Posts and Telecommunications *Sep. 2012 - Jul. 2016*
B.S. in Applied Physics
Ye Peida experimental class
GPA: 89.45/100. Rank: 2/60

SCHOLAR COMPETITIONS

New Trends in Image Restoration and Enhancement(NTIRE) on Super Resolution Challenge (5/110) [results] *2018*
- IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshop, organized by Computer Vision Laboratory.

Visual Domain Adaptation Challenge Classification (3/100) [code] *2017*
- IEEE International Conference on Computer Vision (ICCV) Workshop, organized by Stanford University.

ChaLearn LAP Real Vs Fake Expressed Emotion Challenge (5/100) [code] *2017*
- IEEE International Conference on Computer Vision (ICCV) Workshop, organized by ICV team.

ImageNet Large Scale Visual Recognition Challenge (ILSVRC) (6/20) [results] *2017*
- IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshop, organized by Stanford University.

The Third Big Data Competition (13/1400) [code] *2017*
- organized by Baidu Co., Ltd. and Xi'an Jiao Tong University.

RESEARCH EXPERIENCE

Face Hallucination *Sep. 2017 – Present*
- Implemented face hallucination based on generative adversarial network. **[code]**

Image Super Resolution *Mar. 2017 – Sep.2017*
- Implemented the image super resolution based on the convolutional neural networks.

Landmark Detection *Nov. 2016 – Mar. 2017*
- Implemented the cascaded convolutional neural networks to detect 68 facial landmarks.
- Obtained real time detection on mobile device.

Liveness Detection *Jun. 2016 – Nov. 2016*
- Implemented the liveness detection system.
- Achieved the 98% accuracy on the publicly liveness detection datasets.

WORK EXPERIENCE

Tencent Co., Ltd. *March. 2018 -Present*
Research Assistant on WXG
- Implemented image super resolution with a fast speed time.

Beijing FaceAll Co., Ltd. *March. 2016 - March. 2018*
Research Assistant

- Engaged in liveness detection, landmark detection, super resolution, generative adversarial network, transfer learning and deep learning.
- Implemented three paper and four patents.

PUBLICATIONS

Xu J, Zhao Y, Dong Y, et al. Fast and accurate image super-resolution using a combined loss[C]//The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops. 2017. Published

Xu J, Dong Y, Ma L, et al. Video-based Emotion Recognition using Aggregated Features and Spatio-temporal Information[C]// 24th International Conference on Pattern Recognition (ICPR). 2018. Accepted

Xu J, Dong Y, e tal. Face Hallucination with Ting Images in Surveillance by Wasserstein GANs submitted

PATENTS

A face reconstruction method and system based on generative adversarial network, [P], CN107730458A, 02/23/2018

A quiet and silent liveness detection method and system, [P], CN107609494A, 01/19/2018

A super resolution method and system based on deep learning, [P], CN107578377A, 01/12/2018

A liveness detection method based on face recognition, [P], CN106845395A, 06/03/2017

HONORS and AWARDS

First-class Graduate Scholarship, Beijing University of Posts and Telecommunications	2016-2017
Excellent Graduate Students(top 5%), Beijing University of Posts and Telecommunications	2016-2017
National Encouragement Scholarship, the Ministry of Education, China	2013-2014
Enterprise Scholarship, Bright Oceans Corporation	2013-2015
Excellent Students Award, Beijing University of Posts and Telecommunications	2013-2014
Contemporary Undergraduate Mathematical Contest in Modeling(CUMCM), Second Prize	2014

TEACHING EXPERIENCE

EBU723U *Sep. 2017 – Jan. 2018*
Teaching assistant of QM-BUPT joint programme module including image processing and multimedia systems directed by Yi-Zhe Song, Associate Professor from the school of Computer Science, Queen Mary University of London.

PROFESSION SKILL

Good knowledge of machine learning, deep learning and image processing.
Deep Learning frameworks: Caffe/Tensorlow/Pytorch.
Programming: C/C++, Python, Matlab, Shell, Git, Vim, LaTeX.
Visual Libraries: OpenCV.
Platform: Linux, Windows.