XI OUYANG

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EDUCATION

Huazhong University of Science and Technology   *September 2015 - Present*
Master of Engineering, Specialized in Deep Learning
Main Topics: Affective Computing, Action Recognition, Video Analysis

Huazhong University of Science and Technology   *September 2011 - June 2015*
Bachelor of Engineering, Electronics Engineering   GPA: 87.28/100
Coursework: Data Structures, Operating System, Programming in C/C++, Probability, Stochastic Process, Information Theory

EXPERIENCE

Panasonic R&D Center Singapore   December 2016 - August 2017
Research Intern   *Singapore*

· Built up deep learning models for the License Plate Recognition (LPR)
· Explored methods and designed strategies for adopting Long Short Term Memory (LSTM) networks for human action recognition
· Explored and Built algorithms for facial expression recognition in videos. **1st runner-up** in Audiovisual emotion recognition sub-challenge of the Multimodal Emotion Recognition Challenge (MEC) 2017, and Sixth place in Audio-Video Sub-challenge of the the fifth Emotion Recognition in the Wild 2017 Grand Challenge (Emotiw 2017). Main contribution for the visual part in both two challenges

Huazhong University of Science and Technology   July 2016 - December 2016
Research Assistant   *Wuhan*

· Cooperated with School of Civil Engineering and Mechanics. Designed algorithms for unsafe behavior detection in construction sites

SKILLS

Programming Languages	Python, C/C++, MATLAB
Operating System	Linux Ubuntu, Windows
Tools	PyTorch, MXNet, Caffe, Git, Vim

HONORS AND AWARDS

Merit Postgraduate Student Award, Huazhong University of Science and Technology	2016&2017
Distinguished Graduate Award, Huazhong University of Science and Technology	2015

PUBLICATIONS

Lieyun Ding, Weili Fang, Hanbin Luo, Peter ED Love, Botao Zhong, **Xi Ouyang**, "A Deep Hybrid Learning Model to Detect Unsafe Behavior: Integrating Convolution Neural Networks and Long Short-Term Memory," *Automation in Construction*, 2018

Xi Ouyang, Shigenori Kawaai, Ester Gue Hua Goh, Shengmei Shen, Wan Ding, Huaiping Ming, Dong-Yan Huang, "Audio-visual Emotion Recognition Using Deep Transfer Learning and Multiple Temporal Models," *In Proceedings of the 19th ACM International Conference on Multimodal Interaction (ICMI)*, 2017

Chaoyun Zhang, **Xi Ouyang**, and Paul Patras. "ZipNet-GAN: Inferring Fine-grained Mobile Traffic Patterns via a Generative Adversarial Neural Network," *In Proceedings of the 13th International Conference on emerging Networking EXperiments and Technologies (CoNext)*, 2017

Xi Ouyang, Pan Zhou, Cheng Hua Li, Lijun Liu, "Sentiment Analysis Using Convolutional Neural Network," *PICOM*, 2015