

Yufeng Zhang

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EDUCATION

Columbia University

Master of Science in Computer Science, Machine Learning Track

New York, NY

Expected Dec 2018

Shanghai Jiao Tong University

Bachelor of Engineering in Automation

Shanghai, CN

Sep 2013 – Jun 2017

GuangHua Educational Scholarship, Top 3 out of 80 in Dept. of Automation

2016

Meritorious Winner, Mathematical Contest in Modeling (MCM)

2015

PROFESSIONAL EXPERIENCE

Intel Asia Pacific R&D Center, Software and Services Group (SSG)

Research Intern, Machine Learning and Translations Team

Shanghai, CN

Oct 2016 – Apr 2017

- Implemented Super-Resolution Images Generation through convolution neural networks
- Applied deep learning methods to train a manipulator to grasp items from operating table by itself
- Enabled manipulators to automatically sort items based on 3D vision and Reinforcement Learning

Yixiao Information Technology Co., Ltd

Marketing Intern, Department of Marketing and Operating

Shanghai, CN

Apr 2017 – July 2017

- Advertised for the SaaS Business Process Management tool called *QingFlow* leading a five-people team
- Managed to make deals or BP contracts with more than 15 enterprise customers all over China

SELECTED PROJECTS

Key Laboratory of Shanghai Education Commission for Intelligent Interaction and Cognitive Engineering Shanghai, CN

Video-based Dynamic Gesture Recognition

May 2016 - Nov 2016

- Developed a real-time dynamic gesture recognition system based on modified YOLO and discrete-HMM
- Proposed and implemented a method to artificially generate datasets by synthesizing target objects with background images

Scene Classification

Jul 2016 - Sep 2016

- Competed in IMAGENET Large Scale Visual Recognition Challenge 2016 (ILSVRC 2016)
- Implemented a fusion-feature network to classify scenes with accuracy at 87.34% (2.33% higher than the baseline)

MOE Key Laboratory of System Control and Information Processing

Shanghai, CN

Design and Implementation of Intelligent Library Management Robot

Mar 2015 - May 2016

- Designed and implemented a library management robot which could automatically pick up or return books
- Publication: Zhiqin Chen, Yufeng Zhang, et al. **Real-time tag recognition based on morphology and local contrast.** In *IEEE International Conference on Real-time Computing and Robotics (RCAR)*, 2016
- Led to three Chinese National Invention Patents

TECHNICAL SKILLS

- Programming: C/C++, Python;
- Tools: Caffe, MXNet, LaTeX, OpenCV, Photoshop, LabVIEW