

Sijin LI

Gender: Male

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Education

2011/09---present: PhD candidate, Department of Computer Science, City University of Hong Kong

GPA: 4.1/4.3

Research topic: Computer vision, machine learning

Advisor: Dr. Antoni B. Chan

2007/09--2011/07: Bachelor, School of Computer Science, Northwestern Polytechnical University

Major: Computer Science and Technology

GPA: 88.19 / 100

Overall ranking: 7/174

Publications:

- Heterogeneous Multi-task Learning for Human Pose Estimation with Deep Convolutional Neural Network, CVPR 2014, DeepVision workshop
- Heterogeneous Multi-task Learning for Human Pose Estimation with Deep Convolutional Neural Network, IJCV 2014 (to appear)
- 3D Human Pose Estimation from Monocular Images with Deep Convolutional Neural Network, ACCV 2014

Projects

- **Oil transportation scheduling:** (NWPU, 2010/3-2010/9)
In this project, I build mathematical model for the logistic transportation of oil and do the optimization with GAMS (General Algebraic Modeling System).
- **ATM queue management:** (NWPU, 2010/10-2011/07)

I design a system for counting the number of people in front of ATM, localizing and tracking each individual with stereo camera. The system can also estimate the waiting time for each people in the queue according to historical information and current queuing state.

- **HMLPE** (CityU, 2013/06-2014/06)

I propose a multi-task framework for 2d human pose estimation using deep convolutional neural network. The framework has also been extended for 3d pose estimation and achieved significant improvement over baseline method.

Service

- Journal Reviewing
 - IEEE Trans. on Circuits and Systems for Video Technology (TCSVT)
 - IEEE Signal Processing Letters (SPL)
- Teaching Assistant
 - CS5487, Machine Learning, City University of Hong Kong (2014)
 - GE2326, Probability in Action: From the Unfinished Game to the Modern World, City University of Hong Kong (2015)

Programming Skills

- **Language:** C/C++, Python, Cuda, Matlab

Honors

- Gold Medal in ACM-ICPC regional Hefei Site (Second Place), 2008
- Silver Medal in ACM-ICPC regional Hangzhou Site (Fifteenth Place), 2008
- Bronze Medal in ACM-ICPC regional Wuhan Site, 2009
- Second Prize in Advanced Mathematics Contest of Shaanxi Provinces, China, 2008
- Pivot of Merit Student of Northwestern Polytechnical University, 2009
- National Scholarship, 2009
- Tencent Outstanding Technology Scholarship , 2009
- Special Prize Scholarship in Northwestern Polytechnical University, 2009
- Major Award in Northwestern Polytechnical University, 2008
- Merit Student of Northwestern Polytechnical University, 2008
- ZTE Major Award, 2008
- Second Prize in 5th GPCT Campus Programming Competition, 2008
- Champion of Tencent Cup Programming Monthly Contest in Northwestern Polytechnical University, 2009
- Major Award in C language skills competition of Northwestern Polytechnical University (2009, 2010)