Yan Zhao

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OBJECTIVE

Summer internship as software engineer

EDUCATION

Carnegie Mellon University, School of Computer Science   May. 2016

- Master of Science in **LTI, BIC**   GPA 3.83

Southeast University, School of Biomedical Engineering   Jul. 2011

- Bachelor of Engineering in Biomedical Engineering

Coursework

Machine Learning in Practice(A+), Algorithm and Advanced Data Structure(B+), Design and Engineering of Intelligent Information Systems(A), Introduction to Machine Learning, Machine Learning in Signal Processing, Big Data System

SKILLS

Programming Languages: JAVA, C++, Matlab, C, Latex, Assembly language
Other skills: Machine Learning, Linux

ACADEMIC PROJECT

CMU Lib   Sep. 2014 -
- Next generation distributed system, implemented with machine learning methods like SVD. To analyze big data and make predictions fast and accurately.

Biomedical Question Answering System (video)   Oct. 2014 - Dec. 2014
- A QA system focused on factoid question using UIMA structure, extract answers based on different corpus and do error analysis.

NBA Game Results Description   Sep. 2014 - Dec.2014
- Construct and analyze data about NBA matches and use Weka to make predictions on whether a team would enter playoffs and get champions, various machine learning algorithms are analyzed including SVM, Naive Bayes and so on.

Technology of Ultrasound Image Denoising   Jun. 2010 - Jun. 2011
- Programmed with both C++ and Matlab languages to achieve several methods of ultrasound image denoising, including wavelet and smoothing.

The multi-planar reconstruction of CT images   Jun. 2009 - Jan. 2011
- Accomplished the MPR of 300 CT images using MFC based on DICOM deal. Realized the display of three planes at any position in the same window to help with the accurate diagnosis.

WORKING EXPERIENCES

Research Assistant in *State Key Laboratory of Bioelectronics*, Southeast University, China   Aug. 2011 - Sep. 2013
- Managed daily affairs and helped with biological experiments.
- Created lab website. Made web pages, embedded laboratory personnel data, and helped to implement an appointment system.

CERTIFICATES

- **National Intermediate Engineer Qualification for Computer and Software Technology Proficient in C/C++ Language**