

LI XU

223 Hampshire CT • Piscataway, NJ 08854 • exulaine44@gmail.com • (732) 788-9068

EDUCATION

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

Master of Science in Electrical and Computer Engineering (*Expected 2015*)

- ♦ Concentration in Computer Engineering (GPA: 3.2)

LIVERPOOL JOHN MOORES UNINVERSITY, UK

Bachelor of Eng (Hons) in Industrial Electronics & Control Engineering (*GPA: 3.7, July 2013*)

UNIVERSITY OF SHANGHAI FOR SCIENCE & TECHNOLOGY, CHINA

BEng in Electronic Information Science and Technology (*July 2013*)

- ♦ Recipients of four awards and scholarships

PROFESSIONAL EXPERIENCE

715th Research Institute of China Shipbuilding Industry Corporation

Technical Intern (*June 2012 – August 2012*)

- ♦ Designed a FIR digital filter
- ♦ Accomplished communication between AD converter and FPGA under guidance

Yun Zheng Technology Co., Ltd.

Technical Intern (*January 2012 – February 2012*)

- ♦ Assisted in design LED driver module of traffic light in the traffic signal control count – down set
- ♦ Tested in Keil uVision4 environment, used TKScope emulator

PROJECTS

Individual Projects motivated by Personal Interests

Prediction of Movie Box Office Gross (Mysql, PHP, Matlab, Weka)

- ♦ Predict US revenue based on more than 12,000 historical movie data with more than 50 attributes
- ♦ Extract JSON data from TMDB API, build up own database on Mysql
- ♦ Implement 3 different machine learning algorithms for model training and test

Web Software Engineer Course Project

Web based Real-time & Long term Stock Price Prediction (SQL, PHP, CSS, C++, Java, WEKA)

- ♦ JDBC, javacsv, weka and time series forecast library is used in this project, Mysql is the host for database
- ♦ Retrieve quotes from Yahoo!, build DB. Predict short term via Naive Bayes, long term via running WEKA in Eclipse

Software Engineering I Course Project (*in process*)

Health Monitoring Analytics – Big Data from Twitter

- ♦ Designed a website to monitor how often a community is exercising based on Twitter data with a group of six
- ♦ Extracted user data with Twitter API, expected to show the activities on Google Map

Programming Finance Course Project (*Fall Semester 2013*)

Account Management System (C++, Matlab)

- ♦ Matlab engine was used, developed an account system managed bank and stock portfolio accounts

Computer Architecture Course Project (*Fall Semester 2013*)

Branch Prediction Strategy Evaluation

- ♦ Implemented a new branch prediction strategy based on neural network algorithm
- ♦ Manipulated CPU simulator on Linux

SKILLS

Languages: Java, C/C++, HTML, CSS, SQL, Python, PHP and other assemble language

Software: WEKA, Matlab, Labview, Proficiency in Microsoft Office

ADDITIONAL

- ♦ Internship in Hope for the Children Foundation, India, raised more than \$2000, 2011
- ♦ Volunteer Star for 2010 Shanghai International Expo