

# LI XU

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## EDUCATION

### RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

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

- ♦ Concentration in Computer Engineering

### LIVERPOOL JOHN MOORES UNIVERSITY, 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

### WINLAB – the Wireless Information Network Laboratory at Rutgers University

Summer Internship – Supervised by Professor. Janne Lindquist (*2014*)

- ♦ Focus on pattern recognition, implement Hidden Markov Model with Java
- ♦ Proposing a HMM based user sketch-password app on Android platform

### 715<sup>th</sup> 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

## 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 various machine learning methods for prediction model, and discovered several patterns in movie gross

### 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 NN algorithm, manipulated CPU simulator on Linux

## SKILLS

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

**Software:** Eclipse, Visual Studio, 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