**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 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**

**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

**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

**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