Xiaowen Jiang

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Education Background

Rutgers University, New Brunswick, NJ   May 2016

M.E. in Electrical and Computer Engineering   Overall GPA: 3.72

- Core Courses: Operating System, Mobile Application Engineering, Computer Vision, Web Application, Data Structure & Algorithms, Communication Networks, Computer Architecture, Programming Finance.

Nanjing University of Posts and Telecommunications, China   June 2014

B.E. in Electromagnetic Field and Wireless Technology   Overall GPA: 3.30

Technical Skills

- **Programming:** JAVA, C++, PHP, SQL, HTML, CSS, JAVASCRIPT, MATLAB
- **Operating Systems:** Mac, Linux (Ubuntu), Windows

Research Projects

ESM Study on Different Lock Modes of Android System --Individual Project, JAVA   Spring 2016

- Implement the Pattern lock, PIN lock, Password lock and Swipe lock similar to the Android system locks.
- Analyze the user's behavior through information collected from sensors.
- Finished the Pattern and PIN and now move on to Password lock and data collection.

Eaten, an Android App about Eating --Team Project,   JAVA, SQL   Fall 2015

- Accomplished an app that allows user to search a restaurant, and set up or join dinner invitation.
- Utilized the Foursquare, Google maps API and open-source android libraries to retrieve data and organize UI.
- Stored user and invitation information in the MySQL database on the computer.
- Managed communication between server and client with Socket.

Multi-view Stereo Reconstruction & Augmented Reality -- Independent Project, C++

- Reconstructed the 3D sparse point cloud and dense map using 8 views of a certain scene.
- Refined the 3D points with sparse bundle adjustment method using cvsba library.
- Inserted a cuboid with a picture on one face into the scene.

Stock Prediction Web Application   -- Team Project, PHP, SQL, JAVA, HTML, CSS, JAVASCRIPT   Spring 2015

- Designed a web application that could retrieve historical and real-time stock price from Yahoo-Finance.
- Utilized technical indicators and neural network algorithm to give stock prediction, and store the data into MYSQL.
- Displayed information and indicator curves on website with HTML, CSS and JAVASCRIPT.

Spreadsheet based on Linked List   --Independent Project, C++   Fall 2014

- Created a spreadsheet that can achieve cell operation, row operation, and simple math functions.
- Updated the elements in spreadsheet when a cell or row is modified.

Passive Wireless Anti-theft Monitoring Network based on Oscillating Material –Team Project, C   2012-2013

- Designed and implemented an system with alarm sensor, RF module and message display capability.
- Regarded as the heavyweight STITP project of NUPT.

Internship Experiences

Intern, Software Development Depart., Shanghai Shengjoy Network Technology Co., Ltd.   Summer 2015

- Took part in the development of a mobile game using cocos2dx platform and C++ language.
- Focused on debugging and optimizing UI of the project.

Intern, Data Communication Depart., China Telecom Co., Ltd. Guangzhou Institute of Research   Summer 2013

- Got involved in the testing projects and made work report.
- Participated in job councils and learned knowledge about TCP/IP.

Intern, Network Optimization Depart., China Telecom Co., Ltd. Guilin Branch   Summer 2012

- Optimized the Network and learned the customers' maintaining methods.
- Assisted to process the monitoring data, made weekly and monthly report.

Campus Activities

Vice President, Student Union of College of Electronic Science and Eng.   2012-2013

- Assisted the Chairman to complete and coordinate academic and on-campus activities in the college.