HUIYU MA

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EDUCATION

Rensselaer Polytechnic Institute, Information Technology, Troy, NY   Dec 2014
Master of Science in Information Technology and Web Science (GPA: 3.93/4.0)

Rensselaer Polytechnic Institute, Lally School of Management and Technology, Troy, NY   May 2014
Master of Business Administration (Concentration in Information Technology) (GPA: 3.77/4.0)

University of Shanghai for Science and Technology (USST), Shanghai, China   Jun 2011
Bachelor in Management Information Systems

PROFESSIONAL EXPERIENCE

Rensselaer Polytechnic Institute Tetherless World Constellation, Troy, NY   Jun 2014 – Dec 2014
People Analytics Research Assistant
Worked with 7 different datasets of 10-year, highly confidential, RPI employee information, prepared datasets, developed analysis procedures and visualization, and analyzed results for predictive factors.
- Designed, executed and measured the effectiveness of HR processes, including identifying issues, forming hypotheses and synthesizing conclusions into recommendations;
- Conducted data analyses using **R**, including regressions, factor analyses, t-test and ANOVAs; and
- Communicated findings and recommendations with HR vice president and directors.

Glory View Tech, Guangzhou, China   Summer 2013
Software Development Intern
Analyzed customer demands and used **C#/ASP.Net** and **SQL Server** to develop an examiner management system for the regional civil servant examination.
- Managed and improved a city government system, including fixing bugs and appending functional modules;
- Analyzed customer demands for information systems and prepared documents to future users; and
- Developed and tested an information management system to meet demanding government requirements.

Regional Agency of YINGMER, Chongqing, China   Jun 2011 – Jul 2012
Marketing Manager and Co-founder
Managed the relationship with vendors and distributors, and expanded the enterprise from one store to three franchise chain stores and two regional chain stores in the first year.

PROJECT EXPERIENCE

**Rensselaer Polytechnic Institute (RPI) Online Bookstore – ** Software Development Course   Spring 2014
Applied methodology of Agile and software development tools to develop a RPI online bookstore website.
- Used HTML5, CSS3, JavaScript, JSP and MySQL to develop an online bookstore website; and
- Used iceScrum, Redmine, Git, JUnit and Apache Ant during the software development process.

RPI COMPUTER SCIENCE COURSEWORK

Data Science (Fall 2014); **Computer Operating Systems** (Fall 2014); **Data Structures** (Spring 2014); **Software Development** (Spring 2014); **Data Analytics** (Spring 2014); **Introduction to Algorithms** (Fall 2013)

SKILLS

Computer skills:
Proficient: C/C++, Java, C#/ASP.Net, SQL and R
Prior experience: Python, Swift, PHP, Rest API, Hadoop, JavaScript, CSS, XML and HTML
Languages: English, Mandarin Chinese, Cantonese and Chaoshan dialect

ACTIVITIES

Gamma Nu Eta (The National Information Technology Honor Society) Member   Feb 2014 – Present
RPI Mandarin Club Mandarin Instructor   Aug 2012 – Jun 2013
Volunteer Organization of China World Expo 2010 Shanghai Excellent Volunteer Award   Oct 2010