

# Mingxuan Li

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## Education

### Northeastern University, College of Engineering, Boston, MA

Candidate for M.S. in Information Systems

anticipated May, 2015

Related Course: Java Application Engineering, Web Development Tools, Advanced Data Science, etc.

GPA: 3.50/4.00

### Central South University, College of Engineering, Changsha, China

B.S. in Computational Material Engineering

Jun, 2013

Honors: 2nd prize in Challenge Cup for Innovative Technology, "Most Influential Member", Engineer-Club.

Leadership: College Vice-President of Innovation and Entrepreneurship Association.

## Technical Skills

- **Languages:** Java/J2EE, Python, R
- **Databases:** MySQL, SQL Server, Oracle 9i/10g
- **Web Programming:** HTML 5/CSS, Bootstrap, JavaScript, Spring MVC framework
- **Tools:** Eclipse, NetBeans, Tomcat, MS Office, Visio, PowerDesigner
- **Other:** Machine Learning, Data Analysis, Design Patterns, Object-oriented Design

## Academic Projects

### Healthcare Medical-Malpractice Informatics System

Nov, 2013 – Jan, 2014

- Designed a national-wide model independently for adverse reporting of the healthcare system using Java.
- Implemented a hierarchical access system to safeguard patient privacy under aggressive deadlines.
- Created login system to enhance the functionality of the system and revised the Service Rating Module.

### B2C Online Shopping Web Application

Jan, 2014 – Mar, 2014

- Developed the reliable shopping cart using Servlet and JSP to make easier for customers' experience.
- Created front pages with basic functions, connected to the database to manipulate data using the JDBC.

### Database of Automobile Maintenance Check System

Oct, 2013 – Dec, 2013

- Translated logical to physical design and developed comprehensive database architecture.
- Maintained, sustained the security and integrity of data by adding and updating table metadata.

## Work Experiences

### Philips, New York

#### Research Intern, Acute Care Solutions Department

Sep – Dec, 2014

- Processed data that was stored in various formats that would be later used for further research purposes.
- Implemented pipeline used to process 1 TB of raw patient data using various scripts.
- Designed and implemented periodic recommendation for patient monitoring system.

### Hailiang Group Co. Ltd, Zhejiang, China

#### Data Analyst Intern

Summer, 2012

- Streamlined Copper Silver Alloy's data workflow components for 2 part of physical distribution system.
- Collaborated with technical team by gathering data, translating clients' needs into technical specifications.

## Extra-curricular Experiences

### High Energy Particle Accelerator Project, Hunan Key Laboratory, China

Apr – Jun, 2013

- Wrote an applicable algorithm in handling 800,000 raw data flow per minute.
- Worked closely with the team to develop appropriate test plans for the system, monitor the virtual model.

### IT Rural Charity Project (ITRCP), ASUS Company, Mainland China

Winter, 2012

- Investigated PC use in 3 rural areas, designed well-conducted surveys via collecting and identifying sources.
- Instructed 20 farmers per week for 30 hours on computer-based farming applications.

## Interests

Billiards, Reading, Digital photography, Cooking.