

Mingxuan Li

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Education

Northeastern University, College of Engineering, Boston, MA

M.S. in Information Systems

anticipated Sep, 2015

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

GPA: 3.50/4.00

Central South University, College of Engineering, Changsha, China

Monash University, College of Engineering, Melbourne, Australia

B.S. in Computational Material Science

Jun, 2013

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

Technical Skills

- **Languages:** Java Python, HTML/CSS(SCSS), JavaScript
- **Databases:** MySQL, NoSQL
- **Web Framework:** jQuery, AngularJS, D3.js, Express.js, Bootstrap, MVC framework
- **Dev Tools:** PyCharm, Eclipse, Firebug/Chrome Dev, Git, Linux Platform
- **Design Tools:** Sketch 3, Balsamiq Mockups, Axure, Adobe Suite
- **Other:** Machine Learning, Data Analysis

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.

U.S. Airlines On-Time Performance Analytics Project

Jan, 2014 – Mar, 2015

- Assembled, transformed and processed the large-scale datasets from RITA.
- Implemented algorithm (K-Mean, PAM, Hclust, dbscan) to provide high resiliency for data mining..
- Delivered graphs and charts for visualizing air flight on-time performance analysis outcomes.

Work Experiences

Philips Research of North America, New York

Research Intern, Acute Care Solutions Department

Sep – Dec, 2014

- Processed healthcare data stored in various formats that would be later used for EMR research purposes.
- Implemented the pipeline used to connect Core API for 5~7GB of raw patient notes using various scripts.
- Designed and implemented periodic recommendation for patient monitoring system.

Wezeen.com, Shanghai, China

Front-end UI Developer

May – July, 2013

- Redesigned UI using HTML, CSS and JavaScript, customized Bootstrap framework for front-end.
- Responsible for gathering functional requirements and clients' feedback to conduct pilot user testing.

Freelance Experiences

iTracker for Boston MBTA

Apr – May, 2015

- Fetched real-time feed data from MBTA api to track all the stations information using AngularJS and Bootstrap.

Personal portfolio website (www.jeremylee.xyz)

June – July, 2015

- Built a Jekyll markdown website that hosted on the Github.
- Hacked a lot from a Jekyll theme by using Javascript, jQuery and OOCSS.