

Mingxuan (Jeremy) Li

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Education

Northeastern University, College of Engineering, Boston, MA

M.S. in Information Systems GPA: 3.50/4.00

Sep, 2015

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

Central South University, College of Engineering, Changsha, China

Monash University, College of Engineering, Melbourne, Australia

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, Python, HTML/CSS(Sass LESS), JavaScript
- **Databases:** MySQL, NoSQL
- **Web Framework:** jQuery, AngularJS, D3.js, SVG, Bootstrap, Bower, Karma, RESTful, MVC framework
- **Dev Tools:** PyCharm, SublimeText, Eclipse, Firebug/Chrome Dev, Git, Linux
- **Design Tools:** Sketch 3, Balsamiq, Axure, Adobe Suite
- **Other:** RWD, 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, 2015 – Dec, 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.

Innovative Precision Agriculture Decision-support System

Jul, 2015 – Aug, 2015

- Developed a big data analytic platform using Apache Spark and Kafka, deployed on AWS EC2.
- Ingested relative data from USDA API and coaxed them in the MemSQL database.
- Designed a responsive UI by Google Chart, GoogleMap API via AJAX bundled with backend on Spring framework.

Work Experiences

Philips of North America, New York

Software Research Intern, Acute Care Solutions

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 a 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.

Extra-curricular Experiences

iTracker for Boston MBTA

Apr – Jun, 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)

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.