

# Meng (Megan) Li

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## EDUCATION

**Washington University in St. Louis**, St. Louis, MO

Master of Science in Information Systems, GPA: 3.70/4.00

01/2016-05/2017

**Shanghai University**, Shanghai, China

Bachelor of Science in Electrical Engineering

09/2011-06/2015

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## TECHNICAL SKILLS

**Programming and Statistics:** Java, Python, C, SPSS, R, sk-learn, Weka, Tableau, MATLAB

**Web Development:** HTML, CSS, JavaScript, JQuery, PHP, SQL, Node.js, MongoDB, Django, Rails

**Big Data Frameworks:** Amazon Web Services, Hadoop MapReduce, Pig, Hive, Spark, Impala

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## EXPERIENCE

**LendingCar (*[lendingcar.com](http://lendingcar.com)*)**, Assistant Project Manager

12/2017-Present

- Integrated customer and transaction data from multiple sources; transformed and loaded data into database.
  - Created new version of website, developed new design and feature which reflect customers' requirement
  - Took charge of *[lendingcar.com](http://lendingcar.com)* Q/A, added Google Analytics service, built unit tests using Mocha
  - Built and manage Google Adword marketing campaign to promote the company brand
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## PROJECTS

**Predictive Analytics of Direct Mail Campaign Success for Edward Jones**

02/2017-05/2017

- Developed python scripts to wrangle and cleanse the client information dataset
- Built learning models for prediction in sk-learn; achieved an average of 75% specificity
- Composed the presentation and data visualization report using Matplotlib and Tableau
- Reduced the mailing expenses of Edward Jones by \$330 per 1,000 customers

**Sentiment Analysis of Reviews using Hadoop Hive on Amazon EMR**

12/2016-01/2017

- Extracted, transformed, loaded and cleansed students' reviews using Python and HiveQL
- Utilized NLTK Toolkit with Python scripts as Hive UDF for analysis in Hadoop Hive
- Deployed the Hive and Python scripts on Amazon EMR, imported the dataset to S3 bucket
- Analyze the review dataset using Hive; achieved 70% emotion identification accuracy

**Movie Information and Recommendation Website using Django**

11/2016-12/2016

- Built a Django-based movie discussion website with user and content control function
- Scraped recent movies list from IMDb using Python; imported the list to MySQL database
- Implemented collaborative filtering algorithm to provide personalized recommendations for users

**Digit and Face Image Classification using MATLAB and sk-learn**

11/2016

- Implemented KNN classifier using MATLAB for handwritten digit and face image classification
- Built and tuned models of Random Forest Classifier, SVM Classifier in sk-learn for classification

**Online Chatroom Development using Node.js and Socket.io**

10/2016

Set up and deployed the website on Amazon EC2 using Node.js, Express.js and Bootstrap

Implemented real-time message transmission, with chat room and private chat functions using Socket.io