Meng (Megan) Li

35945 Romilly Ct, Fremont, CA 94536 ♦ meganli827@gmail.com ♦ (314)-320-8798

EDUCATION

Washington University in 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

RELEVANT COURSEWORK

- Machine Learning, Cloud Computing, Predictive Modeling, Algorithms & Data Structure
- Database Management, Data Warehousing, Telecommunication, Web Development

TECHNICAL SKILLS

- Programming and Statistics: Java, C, Python, MATLAB, SPSS, R, Scikit-learn, Weka, Tableau, Git
- Web Development: HTML/CSS, JavaScript, JQuery, PHP, MySQL, Node.js, MongoDB, Django, Spring
- Cloud Computing: AWS, Hadoop MapReduce, Pig, Hive, Impala, Flume, Spark

PROJECTS

Supervised learning on client mail response probability for local investment company   02/2017-05/2017

- Developed python scripts to wrangle and cleanse the client information dataset
- Built learning models for prediction using Scikit-Learn; achieved an average of 75% specificity
- Composed the presentation and data visualization report using MatPlotLib and Tableau
- Helped Ed Jones reduce mailing expenses by $33 per 100 customers by applying the mail recipient selection

Sentiment analysis of student reviews using Hadoop Hive on Amazon EMR;   12/2016-01/2017

- Performed data ETL of student reviews and cleansed invalid reviews using Python and HiveQL
- Utilized NLTK 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 server
- Applied the analysis script on Amazon review dataset and achieved average accuracy of 70%

Movie discussion and recommendation Website using Django;   11/2016-12/2016

- Built a Django-based movie website with user control, content control and administration functions
- Scraped popular movies list from IMDb using Python and import the movies to SQL database on server
- Implemented collaborative filtering algorithm to provide personalized recommendations

Digit and face Image Recognition using Multiple Machine Learning Methods   11/2016

- Implemented KNN classifier using MATLAB for hand written digit and face image recognition
- Built and tuned models of Random Forest Classifier, SVM Classifier in Sk-learn for charater recognition

Online Chatroom Development in 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

OLAP of Adventure Works Sample Database using SQL   09/2016

- Set up the MySQL database on Amazon EC2 and conducted SQL queries for feature extractions
- Analyzed the sales characteristics and provided business strategy visualized report and presentation.

INTERNSHIP

ToLocal Inc., Digital Marketing Intern   08/2017 - 10/2017

- Setup campaigns on Facebook Ad Manager and provided daily and weekly reports, tracking and analyzing performance.
- Optimized and refined promotion, achieved click-through-rate per item of 5% in home goods industry

ZTE Corporation (Zhongxing Telecommunication Equipment), Shanghai R&D Center   06/2015 - 08/2015

- Promoted the cloud-based tender platform SmartBid in collaboration with remote colleagues
- Created interactive webpage using HTML/CSS and JavaScript; prepared animated slides and brochure