**Fengxiang Li** (Objective: Full-time Applied Machine Learning Scientist in 2018)

E-mail: h18811465446@gmail.com Tel: (206)-2356460 Seattle, USA

**EDUCATION**

**Northeastern University in Seattle** 09/2016 – 05/2018 (expected) Seattle, USA

*Master Degree in Computer Science* GPA:3.8/4.00 RANK: 10/24

Related Courses: Machine Learning(96), Data Mining Technique(95), Advanced Algorithms, Artificial Intelligence, Web Design, Management Software Development

**Peking University** 09/2012 – 07/2016 Peking, China

*Bachelor Degree in Geographical Information System, Peking University*  GPA:3.5/4.00 RANK: 10/24

*Minor Degree in Computer Science,Peking University* GPA:3.6/4.00 RANK: 12/48

Related Courses: Introduction to Computation, Operating System Principle, C++ Programming Language, Database System Algorithm and Data Structures and Computer Operation, Introduction to Computer Graphics, JAVA Programming, Software Engineering, WebGIS Network, Parallel Programming and Distributed Computing

**EXPERIENCE**

**University of Illinois at Chicago. Machine Learning Research Intern** 07/2015-09/2015 Chicago, USA

* Utilized 2013 whole years Traffic and tweet data in Chicago to establish Coupled Hidden Markov model to estimate the traffic condition using python
* Simplified spatial calculation using R-Tree to reduce the searching and deleting complexity
* Finished paper "Enhancing Traffic Congestion Estimation with Social Media by Coupled Hidden Markov Model." and published in book “Machine Learning and Knowledge Discovery in Databases”

**Northeastern University, Data Mining Course Project** 01/2017 - 05/2017 Seattle, USA

* Preprocessed data including dealing with missing data, data cleaning and SMOTE oversampling using python
* Transformed the Yelp user review text to the tf-idf, bag of word model.
* Built different models to predict star ratings of Yelp users’ reviews including SVM, Multinomial Naïve Bayes, Random Forest, Logistic Regression and Bernoulli Naive Bayes.
* Compared models based on uniform metrics: k-fold validation, Confusion Matrix, f1-score, ROC Curve

**SOHU Inc. Online Education App for children -- iOS Developer Intern** 11/2015 -04/2016 Peking, China

* Implemented iPhone App function like user login, profile setting, textbook downloading, recording video in both teacher and student version based on Objective-C Language and Cocoa framework
* Provided different layouts to support different screen sizes in different mobile device including iPad, iPhone
* Collaborated with Product Manager, Operations and iOS server developer to update our app

**Peking University. Library Management System -- Database** **Course Project** 05/2016-07/2016 Peking, China

* Set up a Library Management System for both users and administrators with SpringMVC Framework, Bootstrap, JQuery and MySQL Database, Apache Server
* Implemented the java application using Object Oriented Design with Singleton Pattern, debugged and tested the application using JUnit4
* Built the front-end pages using JSP and beautified the web with animation using Javascript and CSS
* Offered basic network security function to prevent SQL Injection preventing illegally logging in and visiting sources using Spring Frameworks Interceptor function

**Peking University. Othello Game:(with AI) – java course project** 05/2015 - 07/2015 Peking, China

* Implemented a multiplayer computer game with delicate user interface and music using the Swing graphical user interface widget toolkit and the Abstract Window Toolkit
* Use a game tree to search and determine the AI’s action with Maximin Algorithms
* Use an evaluation function that combines two paradigms: Disk-square tables and Mobility-based

**TECHNICAL KNOWLEDGE**

**Programming**: Java・Python・C・C++・Objective-C・Swift

**Web Development**: Bootstrap・SpringMVC・JQuery ・IIS・JavaScript

**Operating Systems**: Mac OS X・Ubuntu Linux・Windows 7・iOS・Android

**Database**: Mysql・SQL Server・Mongo DB  
**Software IDE**: Xcode・Intellij Idea・Visual Studio