Xiaojun (Harry) Feng

400 N Chapel Ave, APT 303, Alhambra, CA, 91801
Email: xiaojunfeng1@gmail.com Tel: (518)-894-2389

EDUCATION

University of Southern California	Expected May 2019

Master of Science in Data Informatics

University at Albany, State University of New York	May 2016

Bachelor of Science in Computer Science and Applied Mathematics, Minor in Infomatics *Major GPA: 3.51/4.00*

RELATED COURSES

Foundations of **Data Management**, **Machine Learning**, Foundation of **Data Mining**, Analysis of **Algorithms**, etc.

SKILLS

- **Programming/Scripting Language:** Python, Spark, Java, JavaScript, SQL, BASH, C, C#, Visual Basic
- **Frameworks and Tools:** .NET, AJAX, Stored Procedures, MongoDB, Node.js, RESTful API, GitHub, Hadoop, AWS, Distributed Systems, Stream Data Processing
- **Machine Learning Algorithms:** PCY, SON, Apriori, Naïve Bayes, Logistic Regression, SVM, Decision Tree, Random Forest, CURE clustering and spectral clustering
- Completed Udemy's "The Complete Web Developer in 2018: Zero to Mastery" course

WORK EXPERIENCES

Q2 Trading LLC *Web Developer and Marketing Analyst*   Jul 2016 - Dec 2016

- Designed, developed and maintained eCommerce sites for the launch of new consumer products
- Built **responsive UI webpages** for the company utilizing **Bootstrap**, **JavaScript** and **HTML**
- Increased traffic on company website by 12% and achieved top ten Google search results (on several competitive keywords) by applying best onsite **SEO** practices and indexing of sites
- Generated additional sales department revenue by $1K on average per month by evaluating Google analytics data related to consumer behavior and purchase preferences and applied learnings to company strategy
- Established company database to store customer and product data for future use

Worldwide Learning Services, Inc., *Web Developer Winter Intern*   Dec 2015 - Jan 2016

- Co-developed interactive and responsive UI webpages utilizing **AJAX** technology and **Bootstrap** library
- Modified the company's reporting tools by updating the programming language from **VB** to **C#**
- Created reports from database in PDF or Excel format by utilizing **MySQL Stored Procedures** techniques

PROJECT EXPERIENCE

University of Southern California, *Data Mining Projects*   Jan 2018 - May 2018

- Developed Python programs in **AWS** to perform PCY, SON and Apriori algorithms based on real-world data utilizing **Apache Spark** API
- Interpreted collaborative filtering-based **recommendation system** utilizing MovieLens dataset and provided recommendations to specific user
- Developed CURE clustering and Spectral clustering algorithms in Python to handle large dataset
- Hands on experience in installing, configuring, and using Hadoop components like Hadoop Map Reduce, HDFS

University of Southern California, *NBA Match Prediction Project*   Aug 2017 - Dec 2017

- Developed Python **Scrapy** scripts to collect data from basketball-reference.com and utilized PANDAS library in Python to perform data cleaning and data visualization process
- Utilized **TensorFlow** and **Scikit-Learn** libraries to develop ANN scripts and create a comparative set of prediction outcome
- Analyzed approaches such as **Naïve Bayes**, **Logistic Regression**, **SVM**, **Decision Tree** and **Random Forest** to make predictions and achieved highest accuracy on Logistic regression and SVM model roughly equal to 70%
- Installed and configured Hadoop components such as Hadoop Map Reduce and HDFS

University of Southern California, *Cloud-based Web Application*   Aug 2017 - Dec 2017

- Co-developed an interactive and responsive UI webpage utilizing Bootstrap, JavaScript and HTML
- Deployed Firebase as real-time database and stored data in cloud efficiently and effectively
- Utilized Bootstrap for frontend design and Node.js for backend functions