Keyang Yu

Columbus, Ohio•Phone:614-3978038 • Email: yu.2049@osu.edu• https://www.linkedin.com/in/keyang-yu-8b704a111/

EDUCATION

The Ohio State University, Columbus, Ohio   **Expected May 2020**
- **Bachelor of Science**: **Major**: Data Analytics (Specialized in Machine Intelligence), **Minor**: Mathematics   GPA: 3.94
- **Relevant Coursework** in Machine Learning, Data Mining, Artificial Intelligence, Cloud Computing, Data Structures and Algorithms, Software Components, Development and Design, Statistical Modeling, and Database System
- **Awards**: Edward G. Mayers Scholarship (2017,2018), the Veeam Software Endowed Scholarship in Data Analytics (2018) and Dean's List (2016,2017,2018)

SKILLS

Programming Language: Proficient in Java, Python and R; Familiar with JavaScript, C and C#
Machine Learning & Analytics: Classification (Decision Tree, Naïve Bayes, KNN), Regression (Linear Regression, Logistic Regression), Clustering (K Means, DBSCAN, Hierarchical Clustering), Association and Bayesian Inferences
Software: Tableau, MySQL/MS-SQL and MS Office

RELEVANT EXPERIENCE

Teaching Assistant (Cloud Computing), OSU, Columbus Ohio   **January 2019 – Present**
- Evaluating submissions of quizzes and homework along with providing effective feedbacks.
- Tutoring student for problems in the fields of map reduce, data warehousing, query optimization and NoSQL, etc

Data Analyst Intern, GridSum Holding Inc., Shanghai, China   **May 2018 – July 2018**
- Utilized MS SQL Server to perform data extraction and manipulation for daily analysis and department heads.
- Explored sentiment analysis about customers' review of products.
- Developed a linear regression model by R for business performance of products on Chinese e-commerce platforms
- Performed market basket analysis by R to uncover associations between items in transactions.
- Conducted reports for recommendation and implementation of marketing strategies.

PROJECTS

Super Mario Bros, OSU   **January 2019 - Present**
- Working in agile software development style with an assigned team of 4 to create 2-D game super mario bros in C#.
- Following object-oriented designed patterns and using the XNA game studio framework for game components.

Google Play Store Apps, Kaggle   **September 2018 – October 2018**
- Analyzed web scraped data of 10K Google Play Store Apps in the Android market.
- Used R packages tidyverse(ggplot2 included), lubridate and corrplot to perform data preprocessing, conduct exploratory data analysis and make data visualizations.
- Trained and tested linear regression, KNN and decision tree models to make prediction about app ratings.

DataFest Indeed, American Statistical Association   **April 2018**
- Attended data competition with team of 4 and analyzed 10 million job entries provided by Indeed.com within 36 hours.
- Created an employment index (local working rate), found predictors of the local working rate and built a multiple linear regression model with R.
- Used Tableau for data visualization and provided suggestions for cities to make industry development decisions.

Bookstore Inventory System, OSU   **October 2017**
- Used C to establish an inventory system which stored and processed data and kept business records for a bookstore.
- Added function for inventory system including printing average profit per sale, printing book list in stock and out of stock.

Air Flight Delay Prediction, OSU   **November 2017**
- Analyzed 7million entries of data for the predictors and sources of variability for flight delays such as carriers, airports, time of the day and day of the week.
- Used linear regression model by R to find out how much effect each variable had on the delay time.
- Set up a recommendation for carriers, airport, depart times and days of the week for both airline companies and customers in different situations.

EXTRACURRICULAR ACTIVITIES

International Student Service, OSU   **December 2016 - Present**
Chairman of Marketing Department
- Leading a team of 8 people and organizing regular activities meeting with over 80 people in attendance.
- Using social media platforms to help freshmen and sophomores improve upon their academic performance by introducing beneficial programs and on-campus resources.