Ansheng Xu

630-822-1844 • axu6@u.rochester.edu • www.linkedin.com/in/ansheng-xu • www.xunanspring.com

EDUCATION

University of Rochester   2016 – Anticipated May 2019

- **Bachelor of Science in Data Science (Computer Science track)**, Minor in Music, GPA:3.78
- **Programming Courses:** Data Structure, Data Mining, Database, Artificial Intelligence, Algorithms
- **Data Science Courses:** Machine Learning, Natural Language Processing, Capstone, Tools for Data Science, Statistics

SKILL

- **Software:** Python, Java, R, Matlab, Linux, SQL, PHP, C, JavaScript, HTML/CSS, Node.js, React.js, jQuery, Apache Spark, SAS
- **Data Science:** ETL data technique, Machine Learning (regression, classification, clustering), Categorical Data Analysis, Time Series Data Analysis, Model Selection

EMPLOYMENT

Credit Scoring Modeling and Prediction, Intern @ Naxin Inc.   July 2018 – August 2018

Credit Score Toolkit (naxinjituan.com): Customer Ranking

- Helped to reduced loss in revenue by cutting the lowest 5% customer and resulting in an 8% of overdue. Built a credit score toolkit by using logistic regression.
- Implemented data cleaning, feature selection. Drew ROC graph, KS. Calculated Gini coefficient, information entropy, weight of evidence to evaluate the feasibility of the model.
- Ran data on multiple models, such as random forest, GDBT, SVM and NN to evaluate the logistic regression model.
- **Knowledge in** Python, SAS, Scikit-learn, Machine learning

Software Engineering, Intern @ Headyonder   May 2018 – June 2018

SJW Airport Project (headyonder.com): Internal Airport Data Manipulation Web

- Built customer service, coupon, blacklist jsp web pages by using MVC framework and cloud data storage with SVN.
- Achieved functions, such as add, delete, edit, import and export in each web page. Allowed updates between relational database.
- Web scripted ctrip.com, expedia.com, etc to provide aviation data for customers.
- **Knowledge in** Full Stack Web development in Java, Spring-MVC framework, MyBatis, MySQL, AJAX, jQuery, JavaScript, HTML, SVN version control, CSS and debugged using Chrome Developer Tools.

ACADEMIC PROJECT

Laser Failure Prediction with KLA-Tencor (Python)   Fall 2018

- Used numerical features to predict laser failure and survival probability. Data transforming. Data cleaning. Feature selection.
- Predict days to fail with around 30 days mean absolute error. Exponential curve fit for survival probability.
- Perform various models on the data, such as Curve Fit, Random Forest Regression, XGBoost and Support Vector Regression.
- **Utilized** Python, Scikit-learn, Matlab, Time Series Data Analysis

NLP Missing Pet Service (Python)   Fall 2018

- Created a missing pet service by implementing Frame-Based Approach. The service asked different questions to customers based on missing information.
- Pattern matching between pattern graphs and TRIPS-web parsed graphs from responding answers.
- **Utilized** Natural Language Processing, TRIPS, Python, Linux

Real Estate Sale Web (MySQL, PHP, JavaScript, CSS, HTML)   Spring 2018

- Designed ER diagram and relational database of real estate sale.
- Created multiple PHP pages to display data and enabled seller and buyer to edit and update relational database.
- **Utilized** relational database, Linux

Analyzing Public Opinion & Media Articles on Chinese Policy OBOR in the West (Python)   Fall 2017

- Web scripted all articles of NY Times and Wall Street Journal that were associated with Chinese policy OBOR (One Belt One Road). Mined more than 300 related articles and calculated the frequent words.
- Assigned weights of frequent words using tf-idf algorithm to each articles. Visualized 2D and 3D data. Built word cloud.
- **Utilized** Python, Selenium, NLTK, Data Mining, Data Visualization