

WU CHENGHAO

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EDUCATION

Syracuse University, School of information studies, Syracuse, New York 12/2020
M.S. in Applied Data Science

Xi'an University of Technology (XAUT), Xi'an, Shaanxi 07/2018
Bachelor's Degree in Mechanical Design & Manufacturing and Its Automation

Work EXPERIENCE

Teaching & Researching Assistant 05/2020
Syracuse University School of information, Syracuse

- Supported Professor with teaching in Natural language Process (IST664), mainly grading and troubleshooting problems for students in Python and NLTK package.
- Helped professor with connecting students and making a good communication channel.

Technical Consultant at ITELL (Information Technology Experiential Learning Lab) 10/2019
Syracuse University School of information, Syracuse

- Supported and maintained virtual machine environment that contains over 2,000 VMs, the Active Directory, network management utilities, Firewalls, NAS, DHCP, DNS, and other networking applications and services
- Troubleshoot existing ITELL network infrastructure including Cisco router and switches as well as support Windows, Linux servers, and other workstations

Engineering Internship 07/2018
Xi'an Dongfeng Automation Equipment Limited Company, Shaanxi

- Improved the assembly line for drawers from manual to automated process by designing automated assembly line.
- Reduced the cost of human labor from 8 workers down to 2 workers per step.
- Researched industry articles and various academic papers on relevant case studies and generated suggestions for the overall arrangement of the factory's assembly lines to achieve maximum efficiency.

PROJECT

Airbnb pricing strategy analysis 05/2020

- Detected the most important feature for predicting Airbnb price by using spark with random forest, GBT and Lasso regression model.
- Performed Sentiment analysis and 5 classes rating score prediction based on guests reviews by using logistic regression, random forest, SVM, and Naïve Bayes model and reached a 90% accuracy.

Bank client default prediction 12/2019

- Detected the most important feature for predicting the potential default credit card clients by using SVM, ANN and random forest model in R studio.
- Designed a Shiny app to demonstrate the performance of each model.

Uber Database design and management 05/2019

- Designed an Uber passenger and driver ER graph utilizing the Microsoft Visio.
- Established a database system by utilizing Microsoft SQL Server 2016 and created useful functions that can be used in real life.

Chatbot design 04/2019

- Designed a chatbot for department faculty by using IBM Watson and built a human-machine interaction interface.
- Improved the teaching efficiency for professor to guide undergraduate students in School.

LEADERSHIP

Executive Board member, iSchool iBranch 09/2019

- Arranged diversity events every week for 700+ graduate students and provided board members with different perspective strategies.
- Formally requested propose of more fund for the orgnazition and took care of the budget transiction record, increased the event budget from \$500 to \$1500.
- Communicated with internal staff and external student alumni to process the event every week.

TECHNICAL SKILLS:

Programming Languages: Python, SQL, R.

Software: Microsoft Excel, Tableau, IDEA, Microsoft Word.