
EDUCATION

- **National University of Singapore, Institute of System Science** Singapore
MTech in Enterprise Business Analytics Jun. 2020 – now
 - **Relevant Coursework:** Business Analytics Project Management, Data Analysis Practice, Big Data Engineering, Practical Language Processing.
- **Wuhan University, School of Economics and Management** Wuhan, China
B.A. in Economics, Minor in Applied Mathematics Sep. 2015 – Jun. 2019
 - **Relevant Coursework:** Microeconomics, Econometrics, Time Series Analysis, Corporate Finance, Options, Futures and Derivatives, Mathematical Analysis, Linear Algebra, Probability Theory & Mathematical Statistics, C++ Programming, Object-Oriented Programming in Java, Database Programming Technology.
 - **Self-study Courses:** Data Structure and Algorithms, Operation System, Computer Network.

PROJECTS

- **Game Evaluation and Recommendation based on Review Text Analytics** Singapore
Data Analyst Feb. 2021 - Mar. 2021
 - Create a simple easy-to-use python package to crawl the Steam reviews. (PyPi Link)
 - Apply text analytics techniques on the Steam game reviews: build spam classification model and apply aspect sentiment analysis and clustering on the data.
 - Create the model results' visualization and build Flask web application to integrate model in the web app.
- **Data Analysis of Airbnb in Beijing** Singapore
Data Analyst Aug. 2020 - Sep. 2020
 - Design the business analysis project structure, work with the teammates to determine the direction and goals of the project - analysis the trend of Airbnb's business status and building a host assistance platform.
 - Collect data and carry out data cleaning, feature engineering, visualization and building predictive models (LR, Decision Tree and Neural Network) to predict the properties price using the information given by the host.
 - Build a interactive RShiny Web which can help new hosts of Airbnb on their properties' price.
- **Dynamic Route Planning System for Urban Vehicle Travel** Wuhan, China
Team Leader Apr. 2019 - May 2019
 - Design and build the project framework according to the requirements, analyse and visualize the input test data of the system, and discuss in depth the implementation methods and goals of the project;
 - Based on the actual needs of the project, the Dijkstra algorithm is adapted and improved in scenarios, and the improved algorithm is used to perform dynamic path planning on the vehicles preset in the urban road network, so that the sum of the global vehicle travel time and the distance cost is equal Compared with the initial algorithm, it is improved by more than 50%.
- **Graduation Thesis: Spam Message Recognition Method Based on SVM** Wuhan, China
Author Mar. 2019 - Apr. 2019
 - Used SVM to classify and recognize spam message data.
 - Preprocessed the initial text data, tested and analysed the spam message data set with four typical kernel functions of SVM, compared the classification effect of each kernel function in this text classification problem.
 - Drew a conclusion, obtained a feasible method of classifying spam messages and wrote the graduation thesis.

EXPERIENCE

- **Group Audit, United Overseas Bank** Singapore
Data Scientist & SWE Intern *Feb. 2021 - now*
 - Deal with calling center recordings, apply text analysis on the transcribed text data.
 - Based on Flask framework and Python, build a backend api for deploying ML/DL algorithms, and use Docker and Kubernetes to scale the system.
 - Build a web app with php to provide an efficient tool for the auditors to carry out customer service quality analysis.
- **Shenzhen Branch, Bank of China** Shenzhen, China
Manager Assistant Intern *Jul. 2017 - Aug. 2017*
 - Assisted finance manager in receiving customers and recommend related periodic funds and other financial products according to customers' financial needs.
 - Introduced and promoted suitable funds, credit cards, and debit cards products for customers, and activated up to 11 online and mobile banking and opened five debit cards per day.
 - Received foreign customers, and used English to guide customers to fill out forms and conduct business.
 - Accepted personal business consultation, recorded more than eight foreign currency exchange applications per day, delivered them to the lobby manager, guided customers to purchase or cash at the foreign currency exchange machine.

STUDY WORK

- **Planning and Strategy Department, Manager Association, WHU** Wuhan, China
Associate Director *Sep. 2016 - Jun. 2017*
 - Planned the 13th Central China Universities Recruitment Challenge Competition, covered eight colleges in Wuhan with over 500 participants, and offered internships in Huawei for six students.
 - Organize the daily work, such as recruiting and team building activities, optimized the internal organizational structure and division of labor and improved the overall efficiency.
 - Awarded the title of 2016 Excellent Associate Director in Manager Association and 2015 Excellent Ministries.
- **Photography Department, Student Union** Wuhan, China
Associate Director *Sep. 2016 - Jun. 2017*
 - Participated in the WHU Photography Competition in Group, and led the team to win the Second Prize.
 - Undertook the publishing tasks of daily and special news reports of the Student Union, and led the group to achieve the first three results in the WCI index evaluation in WHU every week.
- **Social Work: Explore the Cultural Connotation of Linchuan** Fuzhou, China
Associate Leader *Jul. 2016*
 - Organized the group, selected the topic, designed the schedule, arranged the time, communicated with the teacher, and led the team to win the Second Prize of the college-level practice team in the practice evaluation in 2016.

SKILLS

- **Languages:** Mandarin (native), English (IELTS: 6.5 (7.5/7/6.5/5.5), CET-6: 573).
- **Programming & Computer Skills:** Java, Python, R, C++, SQL, Android, Flask, Linux, L^AT_EX.
- **Hobbies:** Travelling & Photography, Badminton and Music.