

JIAQI XIA

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EDUCATION

University of Wisconsin-Madison

Madison, WI

Master of Data Science

Sep 2021–May 2023 (expected)

- Relevant Courses: Data Visualization, Data Programming, Machine Learning, Algorithm Design.

East China Normal University

Shanghai, China

Bachelor of Statistics

Sep 2018–June 2022

- Relevant Courses: Programming C++, Statistics Software–R.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Python, R, Linux, SQL, HTML, CSS
- **Technologies:** HTML, Github, Google Cloud Platform, Atom, VS Code, Figma

PROFESSIONAL EXPERIENCE

Peer Mentor for CS320 (Data Science Programming II) @ UW-Madison

September 2022 - Present

Department of Computer Science

Madison, Wisconsin

- Assisted students with problem-solving, debugging, and coding in Python;
- Provided guidance and feedback to students on their projects, helping them improve their coding abilities;
- Helped revamp project 7: found a credit card data set with more than 20k rows and split it into train and test data; wrote a *tester.py* file to show model scores and used *balanced_accuracy_score* to calculate the accuracy.

Radiometer (Shanghai) China, LTD.

March 2021 - June 2021

Department of Marketing Intern

Shanghai, China

- Utilized Excel to compile 200k+ target hospital data from company databases, filter out redundant information, and create a clean and organized data set;
- Developed a series of graphs and slides to represent marketing data and summarize turnover of medical devices;
- Analyzed customer feedback and worked closely with the marketing team to create effective strategies to increase the Radiometer medical devices' sales.

PingAn Insurance (Group) Company of China, LTD.

January 2021 - March 2021

Department of Independent Broker Intern

Shanghai, China

- Conducted market research to identify target customer profiles of 'Tong Xue Hui', an insurance app;
- Applied advanced Excel formulas to clean and analyze customers' data, including VLOOKUP, COUNTIF and SUMIF;
- Monitored customer's online activities and provided support through chat, email, and phone;
- Responded to customer inquiries and provided accurate information regarding products and services.

The Bank of East Asia (China) Limited

October 2020 - January 2021

Operations Management and Customer Service Department Intern

Shanghai, China

- Developed and maintained accurate financial records and reports;
- Managed client relationships, ensuring timely communication and addressing client inquiries;
- Analyzed financial data to identify consumer payment patterns and risk factors.

RELEVANT PROJECTS

Bank Credit Card Default Prediction on Imbalanced Data (Python)

April 2022 - June 2022

- Implementing random oversampling, random undersampling, SMOTE oversampling and ADASYN adaptive synthetic sampling to deal with imbalanced data of 280000+ entries;

- Developed a machine learning model using Logistic Regression and Random Forest(Accuracy 99.96%, F_1 score 0.8679 using Random Forest + oversampling);
- Avoided bias and improved the running time of classifiers (with <6 seconds using the Logistic Regression method).

Business Analysis on Yelp Data for fast food restaurants (R, Python)

Sep 2022 - Nov 2022

- from 150k businesses & 7 million reviews, merged the review data and business data based on business ids;
- Conducted one-way ANOVA to identify and validate attributes that significantly affect rating stars;
- Designed a user-friendly Shiny app to visualize the analysis result.