

# Zerui Li

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## Education

### University of Wisconsin-Madison

Bachelor of Science in Math & Data Science

Expected August 2024

Madison, Wisconsin

- **Relevant Coursework:** Data Science Programming (Python), Data Science Modeling (R & R Studio), Probability & Mathematical Statistics, Modern Algebra, Analysis, Stochastic Process, Intro to Machine Learning (Python), Intro to Deep Learning (Python & Pytorch), Corporate Finance, Micro Economics, Macro Economics

## Experience

### Huaxi Futures

Division of Options Intern

July 2022 – August 2022

Chengdu, Sichuan, China

- **Data Preparation:** Data cleaning: use algorithms to match, filter, and check opening and closing position data
- **Data Analysis:** use statistical tool to analyze closing prices and price changes and generate visual charts; compare the convertible bond included in strategy's performance with the entire market's convertible bond performance to analyze the correlation between our strategy and price changes; write financial product performance analysis reports.

### Shenwan Hongyuan Securities Co., Ltd.

IB Analyst Intern

July 2021 – August 2021

Chengdu, Sichuan, China

- **Background Check:** Conduct field visits to verify and enrich company background check information, verify company expense and transfer receipts and compare them with audit reports.
- **Report Writing:** Assist other team members in completing the draft of the listing plan and the draft of the audit report

## Projects

### Learning Customers' Satisfaction Rating from Their Feedback Using RNN and BERT |

Python, Pytorch, LSTM, Bert, Naive Bayes

March 2024 – May 2024

- Complete data pre-processing and visualization analysis.
- train the Naive Bayes model, predict customer satisfaction rate based on textual feedback, and compare the model's accuracy with real data;
- write the Abstract and the Naive Bayes model section of the project report.

### Multi-class Classification for Ham Geographical Indication |

Python, Decision Tree, SVM, k-NN, Logistic Regression

July 2023 – August 2023

- Complete data processing, data cleaning, background analysis, and comparison of results from various models.

## Technical Skills/Self-Assessment

**Languages/Technologies:** Background of Python, R; Experience with using Pytorch, Latex, Bloomberg

**self-motivation:** During the internship and project implementation, always actively learn new knowledge or phenomena that have not been encountered; and never afraid of or to be stopped by difficulties.

**Focus on Details:** During the process of reviewing agreements and company articles, even without industry background, I can sensitively identify risk points; I also took a course in logical deduction during college time.