Wei Xu

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Education Background

2020.06 – Till Now	University of Michigan	Ann Arbor, United States

- College: College of Literature, Science, and the Arts
- Major: Statistics, Economics
- GPA：3.896/4.0
- *Major Curses: Real Analysis, Linear Algebra, Probability Theory, Mathematical Statistics, Time Series, Econometrics, Intermediate Macroeconomics, Intermediate Microeconomics, Multivariate Calculus*

2018.09 – 2020.05	Boston University	Boston, United States

- College: College of Arts and Sciences
- Major: Statistics, Economics
- GPA：Economics GPA: 4.0/4.0，Statistics GPA: 4.0/4.0，Overall GPA: 3.91/4.0

Intern Experience

2019.07 - 2019.08	FPK Accounting Firm (Hong Kong)	Hongkong, China

Auditing Intern

- Compared the data of other companies in the same industry, reviewed the stability of the company's operating data, and compared the differences with other companies, such as differences in management
- Longitudinal comparison of the same subject at different times to examine the stability of the company's operations and whether there are significant fluctuations in data
- Performed cut-off test for the company, reviewed the order and time account, and checked the authenticity and completeness of the company's business
- Classified, reviewed, and verified the authenticity of the client's company's financial accounting and assisted the project leader in completing the audit report
- Classified the various data of the company (income and expenses), and then summarized the data of each category into an excel table

2019.03 - Till Now	HD Education	Boston, United States

Tutor

- As a teacher, tutor other Boston University students and hold a review class during the end of the semester

2018.12 - 2019.01	Huaying Securities Co., Ltd	Shanghai China

Intern in Investment Banking Department

- Assisted the project leader to complete part of the legal and financial due diligence and understood the company's operating status, including financial status, management structure, etc.
- Inventoried of all the company's inventories, recorded the data, and compared the similarities and differences with those recorded on the books
- Interviewed corporate customers (suppliers) and understood their business conditions to verify the authenticity of the company's sales revenue

Research Project

2022.01-Till Now		Ann Arbor, United States

Undergraduate Research Program in Economics

- Research how the North American Free Trade Agreement(NAFTA) affects local farmers in Mexico, taking every state in Mexico as the research object
- Find out whether NAFTA causes losses to Mexican farmers, and if so, whether the effects are different for

farmers growing different crops

2022.01-Till Now   **Ann Arbor, United States**

Undergraduate Research Program in Statistics

- Read some classical papers to learn the average treatment effect and some estimators to estimate it, covering Horvitz-Thompson estimator, Hajek estimator, Des Raj Difference estimator, and regression estimator

- Simulate data and get the average treatment effect by those estimators to see their bias, variance, and mean squared error

2021.09-2021.12   **Ann Arbor, United States**

Undergraduate Research Program in Economics

- Researched the variant of the "Cheap Talk" model (Crawford and Sobel)

- Studied when the receiver in a communication model could choose to reveal or not reveal his private bias before the sender sent the message about the true state, whether or not the receiver would reveal his private information

2020.09-2020.12   **Boston, United States**

Time Series Project

- Predicted the sales of the air conditioner per month in China in 2019 using monthly sales of the air conditioner data from 2011 to 2018

- Used variance stabilization technique to make the difference of variance in each year as small as possible

- Adopted differencing method to remove the trend and seasonal components and conducted Dickey-Fuller test to check the data after differencing was stationary

- Got the appropriate parameter for SARIMA with subset selection, reviewed the adequacy, and made a forecast

2019.09 - 2019.12   **Boston, United States**

Data Analysis and Machine Learning Application Project

- Completed the machine learning project in cooperation with Carnegie Mellon University with the goal to predict the probability of each crime type through time and location based on 60 crime data from the Naval Crime Bureau and select the largest probability as the prediction result

- Methods used: decision tree, random forest, naive Bayes, multi-layer perceptron, etc.

2019.01 - 2019.05   **Boston, United States**

Modeling and Data Analysis Projects

- Analyzed the influence of the number of cigarettes that mother smoked during pregnancy and the baby's gender on the baby's birth weight, adjusted the data through four basic linear regression assumptions, and continuously added and deleted variables based on the adjusted decision coefficient, and finally built a model and generate a report

Awards & Honors

- Boston University outstanding students in the fall semester of 2018, the spring semester of 2019, the fall semester of 2019

- First Prize of Geography Knowledge Contest of China Geographical Society

- The University of Waterloo Mathematics Competition top 25

- Patent 1: A new type of walnut clip, patent number ZL 2016 2 0258194.X, 2016.3.31

- Patent 2: A new type of carton sealer, ZL 2016 2 0184872.2, 2016.3.11

- FTC Technology Challenge，Shenzhen Division, Champion League team's captain, Chongqing Division first place

- Youth Observation Competition (JEA Shanghai) Best Lecture Award and Second Prize

Additional Information

Language Skills: Chinese (Native), English

IT Skills: R, C++, Python, Stata, JMP