

Wenjing (Karen) Yang

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EDUCATION

Northwestern University

M.S. in Analytics

Chicago, IL

Expected December 2018

Courses(ongoing): Predictive Analytics, Introduction to Databases & Information Retrieval

(future): Data Mining, Data Visualization, Analytics for Big Data, Deep Learning, Text Analytics

Emory University

B.S. in Applied Mathematics, double major in Economics (graduated with high honors), 3.89/4.00

Atlanta, GA

May 2017

Honors: Dean's list (5 semesters), Phi Beta Kappa Honor Society

Courses: Linear Algebra, Complex Variables, Partial Differential Equations, Advanced Statistics, Econometrics, Economic Forecasting, Financial Econometrics, Financial Markets and Instruments

INTERNSHIP EXPERIENCE

Bank of Communications

Intern, Investment Banking Department

Chengdu, China

July 2016 - August 2016

- Contributed to the collection of the stock prices and net profits of Kelun Pharmaceutical from 2013 to the first quarter of 2016 for the analysis of its credit worthiness

Emerson Process Management Regulator Technologies

Data Analyst Intern, Finance Department

Chengdu, China

June 2015 - July 2015

- Updated the quantity, description, and price of more than 100 kinds of inventories in company database on a daily basis
- Communicated with workshop coordinator to revise the status of more than 1,000 working orders in the database system

PROJECTS AND RESEARCH EXPERIENCE

Course Project, Database Systems, Emory University

Professor Ho, Joyce

Atlanta, GA

April 2017

- Created an online database containing the information of titles, numbers, and offering semesters of 40 courses, and including requires and prerequisites of 10 majors offered by Math & CS department
- Coded in JavaScript to design a user-input webpage, and enabled the web to specify invalid inputs so that users can correct the errors to avoid logic conflicts in the output generated by the following SQL queries
- Wrote SQL queries in PHP as the backend to ensure the web can suggest optimal course schedules which list courses that the corresponding student should take for each semester to satisfy their major/minor requirements before graduation time

Honors Research Project, Economics Department, Emory University

Individual Research, Professor Francis-Tan, Andrew

Atlanta, GA

October 2016 - April 2017

- Research Topic: Delayed Marriage in China, An Analysis of Education's Impact on Marriage
- Generated 3 dependent variables, and chose 5 independent variables from an individual-level dataset which contains 1,489 variables to efficiently focus on the interaction between education and marriage
- Studied 12 regression results which showed a positive impact of education on men's marriage status, yet a delaying effect of educational attainments on women's marriage age, with each result generated from 26,000 observations through OLS
- Used the two-stage least square (2sls) regression models to analyze the causality between education and marriage status on 6 regression equations, and compared the results gained from the two different regression models

Research Project, Economic Department, Emory University

Research Assistant, Professor Dezhbakhsh, Hashem

Atlanta, GA

February 2016 - August 2016

- Research Topic: The cost analysis of keeping prisoners in internment in the U.S.
- Divided prison cost into six categories, and calculated the average annual cost as \$43045.9 per person

Research Project, Econometrics, Emory University

Professor Koohi-Kamali, Feridoon

Atlanta, GA

February 2015 - May 2015

- Research Topic: The time-series analysis of CPI and unemployment rate in Japan's economy
- Organized and imported the data of Japan's unemployment rate and CPI index from 1955 to 2015 into Stata
- Applied Dickey-Fuller test to analyze non-stationarity, and corrected it by the method of first differencing
- Utilized Newey-West method to eliminate heteroscedasticity and serial correlation for both monthly and yearly models

SKILLS

Computer Language: Java, Python, R, SQL, MATLAB, Stata, PHP, HTML, JavaScript

Software: Excel, Tableau, Word, PowerPoint, Photoshop

Language Skill: Fluent in English, native Chinese, and basic conversational Japanese