Zelong Wang

Contact

Address

La Jolla, CA, 92122

Phone

858-539-5564

E-mail

zew013@ucsd.edu

GitHub/Personal Web

zew013.github.io

Skills

Python

Excellent

Stata

Very Good

R

Very Good

Java

Good

Microsoft Office Suit

Good

MATLAB

Average

Git

Average

Tableau

Average

HTML

Some experience

Mandarin

Excellent

Time management

Excellent

Will learn tools like SQL/NoSQL and Hadoop systematically in Fall

Objective

To develop a broader and deeper understanding and skills based on what I have learned in the fields of math, economics, and data science.

Education

The University of California, San Diego | 2020-Present | GPA:3.98

B.S | Data Science

Related Coursework: Python, Java, HTML, Data Structures, Data Science Algorithms, Web Scraping, Data Processing, Visualization, Machine Learning, NLP basics, Deep Learning basics.

B.S | Joint Major in Math and Economics

Related Coursework: Calculus, Linear Algebra, Numerical Analysis, Optimization, Probability and Statistics, Microeconomics, Econometrics (t and F statistics, Regressions, discrete choice, experiment design, panel data, etc.), Operations Research.

Experience

CS PACE Program Researcher | UCSD | Apr 2022 - Present
- Research and literature review on CS cohort program of the forerunners.
- Design CSE cohort program and build courses

Research Assistant | Professor Richard Carson | Dec 2021-Present
- Literature review and gained background knowledge on discrete choice models and related topics
- Gathered, arranged, and corrected research data to create representative graphs and charts highlighting results for presentations.
- Performed statistical, qualitative, and quantitative analysis. Wrote code to achieve conditional logit model

Data Analyst/Tech VP | Lumnus Consulting (Student Enterprise) | Nov 2021-Present
- Collaborated with business-unit leaders to identify and prioritize problems.
- Build prediction models based on historical data. Create visualizations and analyses for the team.
- Organized team events and fostered team communication.

Data Manager & Builder | Robotics Team | 2018 - 2020
- Built robots, gathered, and analyzed data. Figured out competition and alliance strategies. Excel and Python were used.

Tutor & Math Team Leader | 2019 - 2021
- I taught peers who were interested in math problems outside the scope of class materials.
- Taught AP courses and middle school English during summer in Shanghai.

Self-Driven Projects

Forage Data Analytics Virtual Experience programs | Python, Tableau, Excel, Git
- Accenture: Perform data processing, visualization, and analysis on social media user data. Gain business insights based on existing knowledge. Generate story-telling presentation.
- BCG: Perform data descriptive statistics analysis, EDA, feature engineering, hypothesis testing, and predictive model building on gas and electricity utility consumers' data.

Analysis of Power Outage Status in the Continental U.S. | Python, Excel
- Went through the full process of questioning, researching, data cleaning & EDA, missingness assessment, hypothesis test, baseline model, more feature engineering, final model, and fairness analysis.

Indian Crop Production and Indian Climate Analysis | Python, Slides,
- Literature review on previous reports about Indian agriculture, pastoralism, and climates.
- Data gathering, processing and visualization.
- Reported findings and provided suggestions

Wealth Prediction based on 1991 Survey of Income and Program Participation(SIPP) | R
- Gained background knowledge about data. Applied EDA, feature engineering. Compared polynomial and splines in GAM. Tested full OLS, Lasso, Ridge, Step-wise regression model and Random Forest model.