

Zhiyuan Yang

Phone (US): (858)-336-8133 | Email: z6yang@ucsd.edu |

LinkedIn: linkedin.com/in/zhiyuan-yang-0203a7244 | GitHub: https://github.com/ZhiyuanYang26

EDUCATION

University of California, San Diego

Sep. 2018 — Mar. 2023

Bachelor of Science, Major: Mathematics and Economics, Minor: Data science

Related Courses: Introduction to Programming and Computational Problem-Solving, Programming and Basic Data Structures, Data Structures and Algorithms, Theoretical Foundations of Data Science, The Practice and Application of Data Science, Systems for Scalable Analytics, Probabilistic Modeling and Machine Learning.

WORK EXPERIENCE

Beijing Infrastructure Investment Co., Ltd | Beijing, China

Jun. 2020 — Sep. 2020

Data Scientist Intern

- Processed and analyzed 800+ financial data from different departments using SQL and Excel
- Built brief predictive models of the trend of infrastructure market using Python
- Presented financial condition of the company and proposed future strategies using data visualization

Master of Class Co., Ltd | Remote

Feb. 2021 — Aug. 2021

Math tutor and teaching assistant

- Tutored math class of students in high school remotely
- Taught students how to solve math problems and gave advice on math learning
- Assisted teacher in online instruction

Beijing Normal University | Beijing, China

Jul. 2021 — Sep. 2021

Research assistant

- Collected and analyzed data of technology companies in China for academic research
- Led the discussion of students and communicated with the professor.
- Participated in the research of "An overview of the development of China IT industry in 21st century"

PROJECTS

Regression model of allegations of U.S. Police department in New York

Apr. 2021 — Jun. 2021

Course Project

The regression model that predicts the length of time an allegation incident solved giving the information of the complainant, officer and the incident.

- Cleaned and processed the data from 5000+ allegation incidents in New York City using Pandas, Numpy, OneHotEncoder, PCA, StandardScaler, and Binarizer.
- Built predictive model of the time an allegation incident solved and evaluated the accuracy of model using sklearn model and pipeline.
- Presented the data and model using data visualization

The exploration of cost of tuition and earnings after graduating

Jan. 2022 — Apr. 2022

Personal Project

Analyzed data from U.S. department of education to build a model of the relationship between tuition and earnings.

- Cleaned and processed the data from U.S. department of education of 400+ universities in the U.S. from 2010-2018 using Java, STATA, and R.
- Built predictive model and data visualization of the cost of tuition and earnings

SKILLS

Python, Java, C, C++, JavaScript, HTML, CSS, SQL, MySQL, STATA, R, MATLAB