Jiaxiang Zhang

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🎓 Education

Washington University in St. Louis (WashU), St. Louis, U.S.　　　　Aug. 2023 – Present
Master student in A.M. in Statistics program, expected May 2025
Current GPA: 4.0/4.0 (3 out of 9 courses being A+)

Zhejiang University, Hangzhou, PRC　　　　Sep. 2018 – Jul. 2022
Bachelor of Natural Science in Mathematics and Applied Mathematics
GPA: 3.04/4.0

👥 Experience

Summer Research on Reinforcement Learning, WashU　　　　May 2024 – Aug. 2024
Research Assistant　Advisor: Prof. Jose Figueroa-Lopez

Conducted an extensive literature review on reinforcement learning, gaining a thorough understanding of fundamental concepts and methodologies.

Summer Research on Quantile Regression, WashU　　　　May 2024 – Aug. 2024
Research Assistant　Advisor: Prof. Xuming He

Performed comprehensive readings on quantile regression, familiarizing with various approaches including two-step, optimization-based, and joint methodologies.

Grader for Courses: MATH439 and SDS493, WashU　　　　Spring 2024 and Fall 2024 semesters
Grader　Advisor: Prof. Debjoy Thakur (MATH439); Prof. Bill Katsianos (SDS493)

Selected for grader positions based on exemplary performance, a distinction rarely granted to master's students. Responsible for evaluating and grading homework assignments.

Beijing Huge Start Cultural Management Co., Ltd., Beijing, PRC　　　　Oct. 2018 – Jul. 2023
Teaching Assistant & Lecturer　Part-time during various holidays

Assisted the professors in teaching mathematic competition courses and taught independently. Responsible for setting questions for exams, marking, explaining test papers and answering questions.

J.P. Morgan, Online　　　　Jan. 2022 – Feb. 2022
Online Assistant　Supervisor: Mr. Jack Jia

Assisted in quantitative trading algorithm and stock trading using Python. Analyzed batches of stocks collected from companies in various industries and back-tested the algorithm on Quant Connect based on the collected stock pairs. Acquainted with the main processes, methods, tools, and platforms used in quantitative trading.

Global COVID-19 Research Project, Zhejiang University　　　　Apr. 2020 – Jun. 2020
Research Assistant　Supervisor: Prof. Dingxin Zhao

Participated in the scientific research project of Department of Sociology to study the impact and development of the COVID-19 epidemic in China and around the world.

- Crawled data on environmental change in several countries over the last few decades from various data statistics websites
- Integrated and processed millions of lines of data through Matlab

Course Project of Lectures on Programming: Pac-Superman Feb. 2019 – Sep. 2019

Team Member Supervisor: Ass. Prof. Yin Zhang

Remastered the gameplay of Pac-Man with additional game content in C with other 2 members.

- Responsible for generating motion animation state transitions based on the routing algorithm, map design, ideas for implementing the different personalities of the four ghosts and writing the group report
- The project was selected into the 2020 GitHub Archive Program

⚙ Skills

- Programming Languages: Python > R == MATLAB > C/C++
- Languages: English (Competent), Mandarin (Native)

♡ Honors and Awards

Silver Medal, The 33rd Chinese Mathematical Olympiad Nov. 2017
First Prize, Chinese High School Mathematics League Sep. 2017