

JIAYI ZHU

No. 866, Yuhangtang Rd, Xihu District, Hangzhou, Zhejiang, China
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EDUCATION

Zhejiang University

Sep 2020 – Jul 2024

Bachelor of Management in Information Management and Information System, Minor in Finance

GPA: 3.92/4.00 (top 5%)

Courses with Distinction: Organizational Behavior(92), Distributed File System & Database Technology(92), Management Information Systems(94), Data Structure(84), Managerial Statistics(96), Data Mining And Machine Learning(86), *Management Research Method*(96)

PUBLICATIONS

Chencan Ye, Jiayi Zhu, Shilin Wang, & Yue Yu, Qiongjing Hu, Xiao-Yun Xie*, “Technology as a scapegoat: How CDSS Introduction Influences Pharmacists’ Responsibility Shirking and Inter-Team Collaboration” Academy of Management Symposium. (Admitted)*

PROJECT&RESEARCH EXPERIENCE

The Impact of AI on Human Creativity

May 2023 - Present

Research Assistant, Supervised by Prof. Yeun Joon Kim, Cambridge Judge Business School

Remote

- Reviewed literature that related to human creativity.
- Incorporated experimental design methodologies to facilitate the utilization of artificial intelligence for assisting experimenters in the completion of creative tasks encompassing both image and text-based elements.
- Conducting a more detailed assessment based on current experiment results.

Supply Chain Optimization

Dec 2022 – Present

Research Assistant, Supervised by Prof. Zheng Zhang, School of Management, ZJU

Zhejiang, China

- Participated in the ISCOM competition, focused on developing a resilient smart supply chain system to address the challenges posed by the COVID-19 pandemic.
- Conducted a literature review and selected the two-stage stochastic programming approach as the most effective method for optimizing production, storage, and transportation in the face of supply and demand volatility.
- Developed a prediction function to enhance decision-making and assessed the impact of varying demand forecasts over different time horizons, implementing soft flexible distribution to mitigate uncertainties.
- Utilized Python and Gurobi solver to build and iteratively refine the supply chain model, overcoming challenges in identifying the most suitable model for the complex constraints imposed by the corporation.

Research on the Usage Behavior of CDSS

May 2022 – Present

Research Assistant, Supervised by Prof. Qiongjing Hu, School of Management, ZJU

Zhejiang, China

- Collected and reviewed more than 20 papers related to the original model and more than 60 papers related to the Clinical Decision Support System (CDSS).
- Wrote literature reviews based on collected papers and seven research observation notes through ethnographic survey and field research in the Second Affiliated Hospital of Zhejiang University School of Medicine.
- Conducted a comparative analysis of medical workers' usage frequency, usage function, and diagnostic function of CDSS to explore the influence of autonomy on CDSS usage behavior and discovered the problem of responsibility diffusion when CDSS is introduced into the hospital.

Prediction of Happiness Based on Multi-model Comparison

Sep 2022–Jan 2023

Team Leader, Supervised by Prof. Xi Chen, School of Management, ZJU

Zhejiang, China

- Processed the missing values and dummy variables of the data with Python.
- Referred to other cases to process the data that the format or meaning did not conform to the experiment.
- Applied visualization tools for data analysis and visualization, and analyzed the situation of different variables.
- Constructed logistic regression model, decision tree model, neural network model and support vector machine model, and optimized and evaluated the model with the Test Score, Confusion Matrix and ROC Curve.
- Compared the results of models and decided that the logistic regression model was best suited.

EXTRA-CURRICULAR ACTIVITIES

Teaching Assistant

Sep 2022 - Jan 2023

Distributed File System & Database Technology Course, School of Management, ZJU

Zhejiang, China

- Assisted the professor in course preparation, homework grading, and class organizing.
- Answered undergraduates' questions regarding the class material.

Systems Development

Jun 2021 - May 2022

Deputy Director, Library Student Assistant Management Center, ZJU

Zhejiang, China

- Assisted the library in publicizing activities and participated in website design and system management.
- Cooperated with other departments to refine and manage the web page and processed password reset requests.

AWARD

- The Outstanding Student, Zhejiang University 2020 – 2021, 2021 – 2022
- The First Prize Scholarship, Zhejiang University 2020 – 2021, 2021 – 2022
- The Third Prize in the Advanced Mathematics Competition for college students in Zhejiang Province 2021

SKILLS & LANGUAGES

Computer Skills: Java, C, Python, SQL, Stata, Spss, HTML, JS, CSS, PHP, MS Office

Language: Native in Chinese, Proficient in English