

# Zhihao Zhou

Los Angeles, CA

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## Education

### MITx Massachusetts Institute of Technology

Los Angeles, CA

MITx MICROMASTERS PROGRAM IN SUPPLY CHAIN MANAGEMENT ON EDX

- Supply Chain Analytics. Supply Chain Fundamentals. Supply Chain Dynamics. . Advanced Supply Chain Systems Planning and Network Design

### University of Southern California

Los Angeles, CA

MASTER OF SCIENCE IN BIO-STATISTICS UNDER KECK SCHOOL OF MEDICINE

- Experiment design. Statistical theory. Hypothesis test. Machine learning.

### China Agricultural University

Beijing, China

BACHELOR OF SCIENCE IN MATH AND APPLIED MATH

## Work Experience

### DSV Air&Sea L9X

Los Angeles, United State

DATA SCIENTIST

Sep 2024 - present

- Developed and implemented over 20 business metrics to monitor and analyze supply chain performance, identify anomalies, and promptly attribute and address abnormal business points. Utilized SQL and Python, including A/B testing, to evaluate warehouse performance under different shift strategies.
- Leveraged Python libraries such as Folium, Gurobi, and scgraph to develop an interactive business map that optimized routing and supplier selection, reducing costs and maximizing profits. Also developed an automated input processing tool to support daily operations, reduce manual entry errors, and improve overall efficiency.
- Established a comprehensive supply chain planning and network design covering suppliers, warehousing, and customers, and built an integrated optimization model using optimization theory to reduce logistics and EOQ-based warehousing costs.
- Managed door-to-door air export shipments for semiconductor clients from the U.S. to APAC regions, ensuring error-free execution and on-time delivery. Maintained seamless communication with Intel Control Tower, airlines (ANA, Korean Air), truckers, and global partners through daily and weekly meetings.
- Trained two colleagues on shipment processes and contributed to the creation of a Standard Operating Procedure (SOP) playbook, enhancing team efficiency and knowledge retention.
- Analyzed historical pricing data to provide customers with one-time quotations. Quote based on major semiconductor company's request and review pricing strategic to improve win rate
- Conduct market research and give out reports to support business

### AWOT Global Corporation/Rich Pacific USA

Los Angeles, United State

AIR FREIGHT FORWARDER INTERN/OCEAN FREIGHT FORWARDER INTERN

May 2023 - August 2023/August 2023 -

Jan 2024

- Managed airfreight exports from China, Vietnam, France, and the Czech Republic, coordinating bookings, trucking, and documentation; oversaw ocean freight operations for 30+ clients, handling bookings, customs clearance, and tracking
- Worked with major airlines (United, Delta, KLM) and freight carriers to ensure cost-effective, timely shipments; facilitated issue resolution and provided accurate shipping solutions for customer inquiries

### Byte Dance

Beijing, China

DATA ANALYST INTERN

Oct 2021 - Dec 2021

- Extracted and organized staff data from MySQL, presented it in Excel, Tableau, and Markdown; conducted correlation analysis on multiple variables and quit rates using Python SciPy, and included conclusions in the report
- Designed and distributed questionnaires using psychological models; automated distribution via Python to improve completion rates; documented the process for colleagues, resulting in over 200 views; analyzed data with Python and Excel, and wrote a one-page paper
- Developed questionnaires using the EXChina Institute staff experience model; conducted data analysis, identified issues, communicated with departments, suggested solutions, and completed the report
- Developed machine learning models using Python for semantic classification, reducing surfing time and optimizing workflow

**Kuaishou R&D**

DATA ANALYST INTERN

BeiJing, China

Aug 2021 - Oct 2021

- Manage the development of beauty effects features by designing and executing A/B tests and data-driven insights to evaluate how different strategies impact user behavior and daily active users. Collaborated with cross-functional teams to assess algorithm feasibility for special effects, refine effect model selection, and determine budget allocations.
- Developed Chinese caricature special effects using style-GAN and blend-GAN models; fetched, selected, and marked 1,000 face-related data for training
- Exported and cleaned data in SQL database

**China CITIC Bank Chengdu Branch**

INVESTMENT DEPARTMENT ASSISTANT INTERN

Chengdu, China

Aug 2019 - Oct 2019

- Conducted in-depth analysis of publicly listed companies' financial statements and authored comprehensive reports to support investment and strategic decisions

**Leadership and Activity**

**USC Rugby Team**

WINGER

Los Angeles, CA

Dec 2022 - May 2024

- Competed in the California University Rugby Union Fifteens.

**Skills and Interests**

- Technical** Proficient knowledge of Microsoft Office Suite, Latex, SQL,Python and R programming
- Language** Fluent in English and Mandarin ( Native Speaker )
- Interests** Member of USC Rugby club, flag football, Chinese history
- Certificate** IATA DG Certificate

**Publications**

**Accelerating Posterior Sampling for Scalable Gaussian Process Model**

USC Library

AUTHOR

June 7th 2024

- Zhou, Zhihao. 2024. Accelerating Posterior Sampling for Scalable Gaussian Process Model: A Comparative Study of Acceleration Techniques for Solving Linear SystemsMaster's thesis, University of Southern California. Accessed June 7, 2024.