YANAN SUN

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EDUCATION

University of California, Irvine, The Paul Merage School of Business, Irvine, CA **July 2025**
Master of Science in Business Analytics
Dalian University of Foreign Languages, Dalian, China **June 2023**
Bachelor of International Economics and Trade

SKILLSETS

- **Languages skills**: English, Mandarin (native)
- **Technical skills:** Microsoft Office, R, Python, Stata, MySQL, SPSS, Tableau, Power BI, A/B Testing, Excel
- **Other skills:** Analytical thinking, Communication skills, Problem-solving, Team collaboration, Fast learner.

EXPERIENCE & ACTIVITIES

Edwards Lifesciences, Irvine, California **January 2025 - present**
Student Analyst
- Used SQL and Python to analyze NCR and Complaint Product Evaluation codes, uncovering early risk signals and supporting code mapping for quality standardization.
- Applied correlation analysis and machine learning techniques to identify statistically significant relationships across quality metrics, improving issue detection efficiency.
- Built interactive Power BI dashboards to visualize trends and support data-driven decisions by Quality and Digital Transformation leadership.

Beijing Meituan Technology Company, Beijing, China **December 2021 - February 2022**
Commodity & Supply Chain Management Intern.
- Used time series analysis (ARIMA) to model sales data over the past 12 months, predicted future sales in conjunction with market trends and holiday effects, and used Tableau to visualize the results. Helped the purchasing team to optimize the merchandise purchasing plan, which in turn reduced inventory waste.
- Construct supplier KPIs, use SQL and Python to analyze the historical performance of different suppliers, and categorize the suppliers into tiers (A/B/C level, helping enterprises to filter out the TOP 30% of high-performing suppliers).

Kuai Shou Technology, Beijing, China **July 2021 - November 2021**
Community Operation.
- Extract user behavior data for data cleaning and analysis, calculate user activity, retention rate, interaction frequency and other key indicators to segment and analyze user interest in community content.

Tsinghua Tong fang Company, Dalian, China **December 2020 - February 2021**
Analyst Intern.
- Based on the user data to analyze the consumption behavior, use R (dplyr, ggplot2) for data cleaning and visualization, apply K-means clustering analysis to segment the customers, and combine with logistic regression to evaluate the conversion possibility of different customer groups.
- Conducted data preprocessing using Python (Pandas, Scikit-learn) to clean, transform, and standardize trade data, Implemented the Local Outlier Factor (LOF) anomaly detection algorithm to identify and flag anomalous trades.

Merage Marketing Association **November 2024**
VP of Marketing (Upstream)
- Conduct pre-campaign analysis to gather student preferences and design targeted outreach strategies to maximize reach and participation. After the event, conduct a post-event evaluation to analyze participation rates, student feedback and overall impact to assess the effectiveness of the event and identify areas for improvement.

UCI API Association **October 2024**
Student Member
- Engaged in community discussions and industry panels, participated in networking events and workshops, observing audience engagement patterns and identifying factors influencing event attendance.

PROJECTS

LinkedIn Job Market Analysis | Machine Learning-Based Salary Prediction
- Conducted data preprocessing, feature engineering, and EDA on 10,000+ LinkedIn job postings to assess salary trends. Developed Decision Tree and Random Forest models to classify job postings as “High Salary” or “Low Salary”, optimizing model performance through SMOTE balancing, hyperparameter tuning, and feature selection.
- Achieved 90%+ AUC, identifying key salary determinants such as industry, experience level, and company size, providing insights for strategic recruitment and compensation benchmarking.

YouTube Influencer Success Analysis
- Conducted statistical analysis and predictive modeling to identify key factors influencing YouTube channel growth, leveraging hypothesis testing, ANOVA, and regression analysis.
- Utilized Python (Pandas, Scikit-learn), Tableau, and SPSS for data preprocessing, visualization, and model validation.