

Chia-Mei (May) Liu

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Data scientist with technical background and experience in data modeling.

EDUCATION

The University of North Texas

Texas, United States

Master of Science in Business Analytics (GPA: 3.56)

Jan. 2019 – Dec. 2020

Relevant Coursework: Programming for Data Science, Prescriptive Analytics, Predictive Analytics, Descriptive Analytics Using SAS, Database Foundations, Advanced Business Analytics with R

Chinese Culture University

Taipei, Taiwan

Bachelor of Business in Information Technology Management

Sept. 2012 – Jun. 2016

Relevant Coursework: Computer Programming, Statistics, and Project Management

WORK EXPERIENCE

Wei Sheng Co. Pty Ltd

New Taipei, Taiwan

Business Analyst

Jan. 2017 – Aug. 2018

- Analyzed 50K data and created an interactive dashboard, reducing monthly cost by 20 %
- Negotiated the best price with customers and saved 15% of cost through Linear Programming Solver
- Developed forecasting tools to provide optimized bidding price with government
- Applied the root cause analysis of cost increase using Excel and visualized the business trend to identify key points of failure and provide solutions

PROJECTS

Real Estate Analysis:

Jan. 2020 – May 2020

- Built linear regression model to predict optimization location using demographic information for real estate industry
- Visualized potential customers map across USA and suggested fastest growing states to expand business scale

School Ranking Analysis:

Aug. 2019 – Dec. 2019

- Built linear regression model to predict school ranking by student and faculty information using Excel and SAS
- Developed resource allocation strategy for school to improve ranking by identifying 3 key factors

“QuickSeat” – Restaurant Reservation Application:

Jan. 2015 – Feb. 2016

- Led a team to create a front-end android based application by Java and MySQL as database solution
- Developed an interactive application and website, accelerating reservation process by 20%

CERTIFICATES

- **Analytical Tools Certificates:** SQL for Exploratory Data Analysis Essential Training and SAS® 9.4 Cert Prep
- **Information Security Certificates:** Cyber Essentials Public Version and CompTIA Security+(SY0-501) Cert Prep
- **Other Certificates:** Business Analyst and Project Manager Collaboration and CEO Prep

LEADERSHIP

Taiwanese Student Association

Texas, United States

Vice President

Aug. 2019 – Present

- Promote the image and the mission of the University of North Texas by holding homecoming parade and barbecue party with the University of Texas at Dallas, in which more than 60 students participated

CEO Prep

Texas, United States

Trainee

Feb. 2020 – May 2020

- Identified the root cause through breaking down 130 negative customer service survey comments to increase restaurant's annual sales by 20%

SKILLS

- **Analytical tools:** SAS (reg, ttest, arima, anova, sgplot), Salesforce, R (gplots, ggplot2), Python (numpy, panda), Minitab, MS Excel (Pivot Table, V-lookup, Solver, Power Query)
- **Visualization tools:** Tableau, Power BI, MS Excel
- **Databases:** SQL, Relational/Dimensional Database, Microsoft Access, MySQL, MongoDB
- **Data Modeling & Data Mining:** Linear Regression, Logistic Regression, Decision Trees, Random Forest, Association Rules, Cluster Analysis, Neural Networks, ARIMA, Naïve Bayes, SVM, PCA, LDA, KNN
- **Computer Programming tools:** Java, JavaScript, C#
- **Cloud Computing Platform:** Azure, AWS, Google Cloud
- **Languages:** Bilingual (English and Mandarin Chinese)