

# YU-WEN CHEN



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## SKILLS

### *Areas of Expertise*

- Azure Databricks
- Snowflake
- Python-pandas, Numpy
- R
- SQL
- NoSQL
- Data Wrangling
- Relational Database
- Machine Learning

### *Visualization*

- Power BI
- Tableau
- Matplotlib
- ggplot

## EDUCATION

University of The Pacific

San Francisco, CA • 05/2022

**Master of Science:** Data Science

Ming Chuan University

Taipei • 06/2019

**Bachelor of Business**

**Administration:** Finance

## PROFESSIONAL SUMMARY

To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills. Background includes data mining and analytics. Proficient in machine and deep learning. Quality-driven and hardworking with excellent communication and project management skills.

## PROFESSIONAL EXPERIENCE

### San Joaquin Council of Government, SJCOG - Data Visualization Designers and Data Analyst

01/2022 - 05/2022

- Creating multiple scripts to automate ETL/ ELT process using PySpark from multiple sources.
- Developing and implementing data pipeline integrated with Azure and Snowflake, writing data quality checks.
- Designed interactive Power BI dashboard based on existing data
- Built EDA report for SJCOG to have better data understanding
- Developed and deployed a multifunctional online web-application for SJCOG
- Generated business suggestions to improve app service

### Cathay United Bank Taoyuan - Branch Operations Officer

07/2017 - 07/2019

- Balanced cash drawer and ATMs, handling USD \$35,000+ per day, with zero mistake
- Organized 100+ customer transaction receipts daily to ensure proper fulfillment in a timely manner
- Cooperated with coworkers to ensure all supporting documentation was in line with client transactions
- Provided customers with a high level of service, privacy, and a friendly, welcoming attitude

## LANGUAGES

### Chinese (Mandarin)



Native or Bilingual

### English



Full Professional

## Vamos Mobility App Analysis of San Joaquin Council of Government 03/2022

- Analyzed the time stamp data and extracted the insight from the Vamos to understand customer behavior provided SJCOG suggestions to increase 15% of the application's usage and ticket sales.
- Used Python for data cleaning, pre-processing and analysis, and Power Bi, Matplotlib, heatmap for data visualization.
- Created an automation application by Heroku for SJCOG which allows them to merge files and plot graph in a few second.

## McDonald's Food Nutrient Analysis and Classification System 10/2020

- Categorized McDonald's meals based on fat and protein content, then gave a classification standard for customers anytime McDonald's released a new product by inputting its data.
- Created bar plot, scatter plot, and box plot from Matplotlib for analysis and data visualization
- Used machine learning algorithm to create an efficient classification system.

## Do those people with confidence tend to be less affected by others? 09/2020

- Analyzed people with confidence less affected by others and more focused on their goal by analyzing the personality test data
- Used Linear Regression in R to analyze the correlation of confidence and each category such as 'can rarely upset by people', then use ggplot to plot multiple

## ADDITIONAL INFORMATION

- Azure Databricks & Spark For Data Engineers (PySpark / SQL) Certificate
- Snowflake - The Complete Masterclass (2023 Edition) Certificate
- AWARDS AND HONORS , 2019 Taipei Research Excellent Award - "Central Bank's Monetary Policy, Communication