

## Shih-Tien (Eric) Wang

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*Graduate student pursuing a master's degree in Business Analytics with focus in Data Analysis, Machine Learning, Data Warehousing, ETL, and Data Visualization. Over four years' experience in data analysis and complete 6+ academic projects and one case competition. Proficiency in R, Python, SQL and Tableau and a blend of teamwork, communication, and interpersonal skills.*

### EDUCATION

#### **M.S., Business Analytics**

December 2020

*The University of Texas at Dallas*

**GPA 3.758**

*Scholarship: 2019-2020 Greater Taiwanese Chamber of Commerce Scholarship*

#### **B.S., Computer Science and Information Management**

June 2014

*Soochow University (SCU), Taipei, Taiwan*

### CERTIFICATIONS & TECHNICAL SKILLS

Certifications:	AWS Certified Solutions Architect – Associate, Tableau Desktop Certified Associate, Google Analytics Individual Qualification, Elementary Enterprise Resource Planning Planner
Languages:	Python (numpy, pandas, matplotlib, scikit-learn, SciPy), R (ggplot2, dplyr), PySpark, SAS (logistic, regression, survival analysis)
Databases:	MySQL, Oracle, PostgreSQL, NoSQL
Visualization Tools:	MS Excel (Vlookup, PivotTable), Tableau, PowerBI, Google Analytics
Analysis Concepts:	Regression, Classification, Clustering, ANOVA, Hypothesis Testing, PCA, LDA, Gradient Boosting

### BUSINESS EXPERIENCE

#### **Kenda Rubber Industrial Co. LTD, Changhua, Taiwan**

August 2015 - September 2017

*Data Analyst & ERP (Enterprise Resource Planning) Programmer*

- Extracted data from MySQL and Oracle databases using ETL process to create a data collection system that decreasing 30% of original data processing time
- Perform data cleaning and exploratory data analysis tasks to summarize the KPIs of the data sets using MySQL and MS Excel to ensure intelligible data visualizations
- Converted the old Delphi system for motorcycle tires specification maintenance to modern TIPTOP platform which saved \$1,000 for the company
- Remodeled the machine equipment maintenance program in the TIPTOP system which deducted 40% of the maintenance time

### ACADEMIC PROJECTS

#### **KPMG Virtual Experience Program Participant, Tableau & Python & MS Excel**

June 2020 - June 2020

- Analyzed the existing customer and transaction datasets to reveal customer insight for the client by data visualization
- Assessed the dataset which had over 3000 customer information to ensure the dataset was aligned with KPMG standard data quality framework
- Identified customer trends and behavior by Python seaborn (heat map, swarm plot, box plot, and histograms)
- Generated Tableau Dashboard with interactive views, filters, and maps which made the data exploration easier

#### **Intelligence Analytics Challenge 5.0, The University of Texas at Dallas (Tableau, Python)**

March 2020 - March 2020

- Scrubbed and explored the dataset which has 30% missing values via Python (sklearn Imputer and seaborn)
- Exploited sklearn k-means cluster to split the dataset into four clusters by the under 5 mortality rate
- Applied Ridge, Lasso, Polynomial Regression, ElasticNet Regression, SVM (kernel) and Gradient Boosting Regressor to the dataset and the best models is Lasso Regression which R score is 0.74
- Generated the Tableau Story to assemble interactive dashboards and the regression reports, allowing users to understand the output effortless

#### **Pricing Cars For Sale on Craigslist, The University of Texas at Dallas (SAS, SQL)**

June 2019 - July 2019

- Established the car pricing forecast the model via SAS (PROC GLMSELECT stepwise), the R-square of the model achieved 66% accuracy
- Refined the dataset by SAS (PROC SQL, PROC UNIVARIATE, PROC FREQ), dealt with missing or invalid data
- Collaborated on a team of 5 to clean the dataset in order to maximize the predicted accuracy

### LEADERSHIP EXPERIENCE

#### **Taiwanese Student Association, The University of Texas at Dallas**

March 2019 - March 2020

*Event Coordinator*