

## Shih-Tien Wang

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*Enthusiastic Business Intelligence Developer, skilled in data visualization. Seeking to use proven skills in statistics, Tableau and Python matplotlib or seaborn to meet business needs. Over one-year data visualization experience and complete 5+ academic projects and case competition.*

### EDUCATION

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

*The University of Texas at Dallas*

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

December 2020

**GPA 3.75**

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

*Soochow University (SCU), Taipei, Taiwan*

June 2014

### CERTIFICATIONS & TECHNICAL SKILLS

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

### BUSINESS EXPERIENCE

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

August 2015 - September 2017

*ERP (Enterprise Resource Planning) Programmer & System Coordinator*

- Refined SQL query and normalized database tables for motorcycle tires specification maintenance system which increased 15% of searching speed
- 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
- Integrated the group's financial statements decreasing 30% of original data processing time for the accounting department
- Administered the Kenda Group's accounting information system team by managing working schedules enhancing 15% of users' satisfaction

### ACADEMIC PROJECTS

#### **Intelligence Analytics Challenge 5.0, Tableau & Python**

March 2020 - March 2020

- Scrubbed and explored the dataset which has 30% missing values via Python (sklearn Imputer and seaborn)
- Exploited sklearn kmeans 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 effortlessly

#### **The US Gun Violence Visualization, Tableau**

November 2019 - November 2019

- Utilized Python (pandas) to extract essential columns from the US gun violence between 2013 to 2018 and handled missing value
- Created advanced chart types (symbol maps, horizontal bars, and lines) and visualizations to manipulate the data
- Generated Tableau Dashboard with interactive views, filters, and maps which made the data exploration easier

### LEADERSHIP EXPERIENCE

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

March 2019 - Present

*Event Coordinator*

- Co-organized a welcome party exclusive for 80 Taiwanese students with The University of Texas at Dallas
- Planned and organized a panel discussion event for over 100 participants