Shih-Tien Wang

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EDUCATION

M.S., Business Analytics   December 2020
The University of Texas at Dallas   **GPA 3.75**
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:	Elementary Enterprise Resource Planning Planner, Google Analytics Individual Qualification
Analysis Concepts:	Linear Regression, Statistics, Prescriptive Analytics, Time Series Analysis, Machine Learning, Relational Database, Applied Econometrics and Time Series Analysis, Business Data Warehousing
Analysis Tools:	MS Excel (Vlookup, PivotTable), Tableau
Programming:	Python (numpy, pandas, matplotlib, scikit-learn, seaborn), R, SAS (logistic, regression, survival analysis)
Databases:	MySQL, Microsoft SQL Server, Oracle

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 effortless

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

ORGANIZATIONS

Data Visualization Club, UTD   January 2019 - Present
SCU Changhua Area Alumni Association, SCU, Taiwan – **President**   February 2011 - February 2012