

## Shih-Tien Wang

214.241.9526; shihtienwang@gmail.com

<https://www.linkedin.com/in/shih-tien-wang> | <https://ericstar20.github.io/>

*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:	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, 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

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

- 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, 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 effortlessly

#### **Titanic: Machine Learning from Disaster, Kaggle (Python)**

August 2019 - September 2019

- Utilized historical data to create a predicted model, forecasted members in a testing dataset whether alive or not
- Cleaned a dataset via Python (pandas, numpy) and created an estimated model by Python (sklearn)
- Examined the predicted model iteratively, reached 76% accuracy in the end

#### **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 - 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