Shih-Tien (Eric) Wang

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EDUCATION

M.S., Business Analytics December 2020
The University of Texas at Dallas **GPA 3.695**
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, SAS
Libraries:	Pandas, NumPy, scikit-learn, Matplotlib, PROC GLMSELECT, PROC SGPLOT, PROC SQL
Databases:	MySQL, MSSQL, PostgreSQL
Visualization Tools:	MS Excel (Vlookup, Pivot Table, Slicer), Tableau, PowerBI, QlikView
ETL Tools:	Alteryx, Microsoft Power Automate, SSIS
AWS Technologies:	EC2, S3, RDS, API Gateway, ECR, ECS, SNS, Elasticache, Lambda, Redshift, Athena
Analysis Concepts:	Regression, Classification, Clustering, ANOVA, Hypothesis Testing, A/B testing

BUSINESS EXPERIENCE

Elo Touch Solutions, Dallas, Texas January 2021 - Present
Intern - IT Data Analytics & BI
Technology stack: Python, Power BI (DAX & Power Query), QlikView, MSSQL, SSIS, Alteryx, Microsoft office, AutoHotKey

- Migrated and refined QlikView dashboards to Power BI platform by consolidated source data connection (SAP, Salesforce, SQL Database) and refactored legacy scripts via DAX and Power Query, saved the company $20,000 on QlikView licensing cost
- Developed a QlikView & Power BI Dashboards users' access control searching program by Python (NumPy and OS module), which increased productivity by 50%
- Elevated an Alteryx ETL process of transaction data from cooperative distributors by adding date format uniform function, delimiters' alignments, and error notification settings
- Devised a POS transaction files tracking system by MS Excel (Date, Lookup, and condition functions), reduced time required to monitor missing files by 30%
- Retrieved data from SAP and QlikView by AutoHotKey Program, transferred the result into a database by SSIS package, stabilized the data retrieval structural and reduced data acquiring time by 20%

Kenda Rubber Industrial Co. LTD, Changhua, Taiwan August 2015 - September 2017
Data Analyst & ERP (Enterprise Resource Planning) Programmer
Technology stack: MySQL, Oracle, TIPTOP ERP, Delphi, MS Excel

- 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

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
- Purified the dataset by SAS (PROC SQL, PROC UNIVARIATE, PROC FREQ), dealt with missing or invalid data