Yi-Chi "Jeffrey" Tseng

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EDUCATION

University of Maryland | College Park, MD

MS in Business analytics   *Aug 2019 – Dec 2020*
- Relevant coursework: Decision Analytic, Data modeling with R, Database Management System

Fu Jen Catholic University | New Taipei, Taiwan   *Sep 2013 – Jun 2017*

BBA in Accounting

TECHNICAL SKILLS

- Tableau, Sckit-Learn, Tensorflow, Microsoft SQL Server, R, R shiny

PROFESSIONAL EXPERIENCE

Data Analyst Interm   **Fubon Financial Holding Co.| Taipei, Taiwan**   *Jun 2020 – Aug 2020*
- Developed DNN and Recommenderlab to create a recommendation system for insurance notifications, the recommendation accuracy rate is 95.1%, reducing the company's notification rate by 20%.
- Applied R shiny module to integrate the recommendation system and create a reminder app for the insurance professionals, with the current professional utilization rate of 80.7%.
- Designed and built the policyholder database for all the 2019-2020 policyholders of Fubon Bank, with a total of 100,198 entries, saving the company $100,000 in annual maintenance fees.
- Developed an auto-checking system using CNN and OpenCV to scan for missing or incorrectly filled in policyholder information, with an average of 82.5% accuracy.

Junior Auditor   **Deloitte Taiwan, Shared Service Center | Taipei, Taiwan**   *Jan 2019 – July 2019*
- Led 3 interns and planned to build a database of financial statement via Microsoft SQL server; used pandas to perform data cleaning and DNN and LSTM to build financial statement risk models.
- Analyzing accounts of 20+ companies and organizations in peak season to ensure validity and legality of financial records; applied ISA to audit financial account, addressing 50% of financial risk and creating over 20+ financial statements for listed companies.
- Developed risk aversion measures and cost saving strategies for 20+ listed international companies, leading reduction of 20% business income tax and $30MM operating cost annually.

Audit Intern   **Deloitte Taiwan, Shared Service Center | Taipei, Taiwan**   *Nov 2018 – Jan 2019*
- Performed data cleaning for 100+ companies via Microsoft SQL server; managed database for listed companies, reducing and assisting 30% of procedure of audit.
- Applied Python modules (Regular Expression and Beautiful Soup) to scrape financial news on Twitter and Facebook.
- Designed and wrote SQL build database of financial statement of 1000+ listed company, developed and documented SOPs.

ACADEMIC PROJECT

University of Maryland | College Park, MD

"To live or not to live in DC area"   *Jun 2020*
- Applied Python code Beautiful Soup and Regular Expression to scrape over 9000 data of price of Airbnb on Airbnb website
- Designed relevant visualization using Tableau; Performed analysis finding correlations Among price of Airbnb, crime rate, and national holidays.
- Developed predicted model based on Random Forest Regression and Logistic Regression to forecast price of Airbnb, improving accuracy by 25% compared to baseline.

University of Maryland | College Park, MD

Database management   *Sep 2019*
- Developed an ER Diagram in Microsoft SQL server to show the relationship between tables that corresponded to the business rules and marketing requirement of companies.
- Normalized more than 200 attributes of purchase order data to 3 Normal Form to reduce duplication of data and ensure referential integrity, contributing to the improvement of relation model.
- Transformed data to build dashboard in Tableau, analyzing relation between ratings of restaurant and school bus routes.

LEADERSHIP EXPERIENCE

Accounting Students Association | New Taipei, Taiwan

PR officer   *Sep 2015 – Jun 2016*
- Managed a team of 10 students to hold talent shows in accounting department; served as an interface for sponsors, Increased membership by 30% and Facebook fan page followers by 200% during tenure.
- Led 5 people group to develop new instruction of seeking new sponsorship (includes Deloitte, Pwc, and KPMG), leading to a 50% increase on sponsorship amount.