Yi-Chi "Jeffrey" Tseng

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EDUCATION

The 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, Microsoft SQL Server, Hadoop, R, R shiny

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PROFESSIONAL EXPERIENCE

Financial Business Analyst　　　　**Sea Limited | Taipei, Taiwan**   *Jul 2021 – present*

- Collaborated with a data scientist to establish an accounts receivable and cash flow model, optimizing the order and cash flow systems, resulting in a 75% reduction in system error rate.
- Utilized SQL and Python to automate credit card and bank transfer reconciliation, performed aging analysis, identified bad debt reasons, reduced monthly reconciliation time from one week to one day, and decreased bad debt amount to 1%.
- Built a dashboard using Tableau to track real-time balances of accounts receivable, accounts payable, collection cycles, and negotiated transaction fees with banks, resulting in a monthly savings of approximately one million dollars in transaction fees.

Data Analyst Intern　　　　**Fubon Financial Holding Co.| Taipei, Taiwan**   *Jun 2020 – Aug2020*

- Assisted in developing a Logistic Regression model for insurance referrals to reduce the referral probability by 25%.
- Used R Shiny to create a recommendation system interface and develop a referral reminder app for agents to decrease the processing time for policy referrals.
- Integrated DMP (Data Management Platform) data and utilized Tableau to build visual dashboards, aiding management in tracking agent performance and policy sales volume.

Junior Auditor　　　　**Kao Wei CPA Firm | Taipei, Taiwan**   *Jan 2019 – July 2019*

- Analyzed financial statements of more than 20 companies to ensure reliability and accuracy and completed financial reports for over 20 companies.
- Developed hedging and cost strategies for client companies, resulting in a 20% reduction in income tax and a 10% reduction in operating costs.
- Managed relationships with over 20 clients, handling communications and optimizing financial planning for client companies, leading to a 10% increase in gross profit margin.

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.

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 the Airbnb website
- Designed relevant visualization using Tableau; Performed analysis finding correlations Between the price of Airbnb, crime rate, and national holidays.
- Developed predicted model based on Random Forest Regression and Logistic Regression to forecast the 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 requirements of companies.
- Normalized more than 200 attributes of purchase order data to 3 Normal Forms 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 restaurant and school bus route ratings.

LEADERSHIP EXPERIENCE

Smith Masters Business Analytics Association (SMBAA) | College Park, MD

CFO   *Dec 2019 – Dec 2020*

- Managed the financial expenses of the association, prepared daily accounts, balance sheets and profit and income statements, and directly reported to Master Program Office and dean of business school

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.