

Yi-Chi “Jeffrey” Tseng

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PROFESSIONAL EXPERIENCE

Financial Business Analyst

Sea Limited | Taipei, Taiwan

Jul 2021 – present

- Reduced Days Sales Outstanding (DSO) from 7 days to 2 days and 75% of system errors by optimizing the order and payment module and establishing Accounts Receivable and cash flow models.
- Identified factors contributing to the overdue amount of \$14 million and decreased monthly reconciliation time from one week to one day by building automation on Accounting Receivable utilizing SQL and Python.
- Achieved cost savings of approximately \$1 million in bank transaction fees by leveraging a Tableau-designed dashboard to track real-time balances of Accounts Receivable and Accounts Payable, and Days Sales Outstanding (DSO).

Data Analyst Intern

Fubon Financial Holding Co. | Taipei, Taiwan

Jun 2020 – Aug 2020

- Reduced the insure refused cases by 25% by assisting in developing a Logistic Regression model for insurance referrals.
- Decreasing the processing time for approving policy by 20% by developing a referral reminder app for agents via R Shiny.
- 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 to ensure reliability and accuracy and completed financial reports for over 20 companies.
- Achieved a 20% reduction in income tax and a 10% reduction in operating costs for client companies by developing effective hedging and cost strategies.
- Achieved a 10% increase in gross profit margin by effectively managing relationships with over 20 clients, optimizing financial planning, and handling communications for client companies.

Audit Intern

Deloitte Taiwan, Shared Service Center | Taipei, Taiwan

Nov 2018 – Jan 2019

- Reducing the audit testing time from ten days to one day by performing data cleaning for 100+ companies via Microsoft SQL server; managed database for listed companies.
 - Applied Python modules (Regular Expression and Beautiful Soup) to scrape financial news on Twitter and Facebook.
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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

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 the 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.
- improving accuracy by 25% compared to baseline by developing a model based on Random Forest Regression and Logistic Regression to forecast the price of Airbnb.

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 the relation model.
 - Transformed data to build a dashboard in Tableau, analyzing the relation between restaurant and school bus route ratings.
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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 the 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 the accounting department; served as an interface for sponsors, Increased membership by 30% and Facebook fan page followers by 200% during tenure.
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TECHNICAL SKILLS

- Tableau, Scikit-Learn, Microsoft SQL Server, Hadoop, R, R shiny