

Weiting (Ben) Ho

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Technical Skills

Expertise: Statistical Analysis, Machine Learning (*Supervised, Unsupervised, and Enforcement*), Data Preprocessing, Database Design, ETL (*Extract, Transform, and Load*), NLP (*Natural Language Processing*), Conversational Bot Development, Agile/Scrum Project Development, Predictive Modeling, and Data Mining

Database: MySQL, MS SQL, and BigQuery

Programming: R (*Shiny, CARET, randomForest, Rpart, nnet, dplyr, and ggplot2*), Python (*TensorFlow, NumPy, Pandas, Matplotlib, Scikit-Learn, beautifulsoup, and Seaborn*), Node.js, SAS, MATLAB, and VBA

Tools: Google Cloud, Tableau, MS Excel (*Data Modeling, VLOOKUP, Pivot*), Google Analytics

Professional Experience

Quantiphi, Inc.

Massachusetts, United States

Junior Data Science Consultant/Conversational Bot Engineer

Feb. 2021 – Present

- Developed web application in Node.js framework and deployed on Google Cloud.
- Designed the complex conversational bot with 40+ FAQs knowledgebase at the production level and integrated with 3rd party telephony service as well as client-host webpage.
- Achieved a 4/5 outstanding yearly performance with well adaptive in the fast-paced working environment.
- Advised and provided proof of concept (POC) for a healthcare company on their live product, acquiring a 10/10 appraisal from the client along with the potential further engagement.
- Re-architected the development workflow, decreasing approximate 50% production life cycle.

Institute of Statistics at Academia Sinica

Taipei, Taiwan

Data Science Research Assistant

Sep. 2017 – June 2019

- Minimized unpredictable risk by 83% and increased profit by 4% with an innovative trading model.
- Programmed with R and Python to estimate conditional tailed expectation (CTE) for non-stationary time series process (GARCH family) to improve more than 50% efficiency on execution time.
- Developed an automatic program to scrap the 5-minute to weekly stock quotes on Yahoo! Finance by using beautifulsoup and NumPy modules in Python.
- Collaborated with a cross-functional team to develop strategy and structure to ensure on-time project completion.

Cathay Life Insurance, Subsidiary of Cathay Financial Holding

Taipei, Taiwan

Data Scientist/Data Analytics

Sep. 2016 – Sep. 2017

- Improved 23% accuracy of detecting abnormal claim cases by constructing a claim risk scoring model using R.
- Optimized the call service procedure to enhance customer satisfaction by reducing 30% call service waiting time.
- Planned the project with an agile method and tracked the process for each team member once a week, and successfully closed the project 3 months earlier than the tentative date.
- Spearheaded the implementation of a segmented linear regression model on claim data, real estate data, and maturity data in the life insurance industry.

Project

System Analysis on the Mobile App

July 2020 – Aug. 2020

- Analyzed the system and database structures for an app while delivering the innovative concepts on functionality by constructing entity relationship diagram, class diagram, and pseudo algorithms.

Credit Card Default Analysis

July 2020 – Aug. 2020

- Performed data manipulation, modeling and visualization with KNN classifier, logistic regression, support vector classifier, and neural network methods.
- Executed the project and successfully identified the default customers with over 50% recall rate.

Education

The University of Texas at Dallas, US

Dec. 2020

Master of Science in Information Technology Management

GPA 3.94

National Central University, Taiwan

Jun. 2015

Master of Science in Statistics

GPA 3.56

National Cheng Kung University, Taiwan

Jun. 2013

Bachelor of Science in Mathematics