




Education

- **M.S. in Institute of Information Management National Yang Ming Chiao Tung University | 2021 – 2023**
Information Economics & Business Intelligence Lab
- **B.B.A in Department of Information Management, Minor in Finance, National Changhua University of Education | 2017 – 2021**
 - Average: 94.26 / 100 ; ranking: 1st / 47
 - Honorary member of The Phi Tau Phi Scholastic Honor Society of The Republic of China




Skills

- **Web Application**
 - HTML5/CSS3/JavaScript(ES6)
 - Bootstrap
 - Node.js/Express.js
 - MongoDB(Mongoose)
 - MySQL
- **Data Analysis**
 - Python
 - Keras
 - Scikit-learn
 - PowerBI
- **Others and this semester course**
 - C/C++
 - Git
 - Linux
 - AWS
 - GCP
 - Kubernetes

Projects

- Sentimental Analysis On Amazons Alexa Reviews**
Python / Scikit-learn (Logistic Regression, Naïve Bayes Classifier, Decision Tree, RandomForest, XGBoost) / Keras (CNN,LSTM)
 - Pre-processed the customer reviews of Amazon Alexa using NLTK, and adapted a machine model used in designing an automatic sentiment analysis system to evaluate the reviewers' sentiments and perceptions of the physical product. The AUC score of the project was 14% higher than Benchmark in the end.
- Fraudulent Transaction Detection System**
Python / Scikit-learn (Logistic Regression, KNN, RandomForest, XGBoost, PCA)
 - Analyzed 600,000 Vesta transaction data and establish a credit card transaction fraud detection through machine learning. Deconstructed transaction data (including credit card category, buyer email domain, etc.) and design machine learning to classify transactions that may be fraudulent and non-fraudulent.
 - This project was appraised as a model project for the class next year.
- Restaurant List**
NodeJS (ExpressJS) / MongoDB(Mongoose) / RESTful / MVC / Heroku
 - Users are able to create, read, update and delete their own restaurant list on this website. I applied passport.js, express-session and bcrypt.js to implement user authentication, password hashing and third-party login. The website was deployed on Heroku.
- Smart Commerce**
JavaScript / PHP / MySQL / AJAX
 - Users can register members, browse website, and order products to their shopping cart. Merchants have a backstage to manage own account and create, read, update, delete products. They can view orders and assess the best-selling products in a specific time period to carry out marketing plans base on the data.
 - The website has been accepted as a prototype in the program of University Social Responsibility in Shetou and provided an e-commerce platform for local manufacturers.

Experience

- **NYCU Center for Institutional Research and Data Analytics | LINE Bot Team | 2022 -**
 - Build web crawlers using Python to assist central data collection.
 - Development and maintain LINE Bot. Established a **consultation LINE Bot**, and a **campus information query LINE Bot** to provide personalized services and resource recommendations for students, using the Line developer platform, Python and Azure LUIS.
- **Ministry of Science and Technology(MOST) College Student Project | 2020 – 2021**
 - Exploring the Effect of Artificial Intelligence Anxiety and Motivation on Artificial Intelligence Skills Learning Behavior**
 - Understood and used research methods, models, statistical software SmartPLS, and cultivated the ability to organize clear essay and analysis problems.
- **University Social Responsibility Project Chief Operating Officer | 2019 – 2020**
 - Won the first place at the school marketing competition then **led a five-person team** to assist manufactures in managing the fan page on social media, selling products, and served as a bridge between members, manufactures and professors.
 - Successfully increased the **790+** fans, held **five physical exhibitions and sales activities** to sell all the products expected to be sold in this plan within three months. The results were appreciated by other local manufacturers and served as a speaker in two sharing sessions.