

## Technical Skills

- Tableau, TensorFlow, ELK, SAS EM, SPSS, PowerBI, R, pandas
- C#, Asp.net, php, HTML, CSS, JavaScript, Python, Java, Eclipse, Flask
- MySQL, NoSQL
- Linux, Windows

## Project Experience

### **Modeling Online Shoppers Purchasing Behavior - Colorado State University** 2020 – 2021

- Explored data from Kaggle to analyze customer Online Shopping feed, and used python TensorFlow factor analysis for improving the sale increase
- Using SQL tool to implement the data filter and ETL process
- Built different data mining regression, neural network, and decision tree models using python scikit-learn determined the best model
- Using python and scikit-learn tool to develop K-means to classify customers and quantify types of customer behavior

### **Build Stock analysis model for Taiwanese Manufacturers - CCU** 2015 – 2016

- Analyzed industry business cycles using Python pandas and built the best investment strategy
- Using MySQL, python, and flask to build a management UI for data warehouse
- Developed a mathematic model based on traditional industry business patterns for stock fundamental analysis
- Built a financial model using python to predict stock price ranges, and generated report for various stake holders
- Using PowerBI to build data virtualization and dashboard
- Successfully predicted massive increase of the stock prices of Taiwanese sportswear manufacturers

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## Professional Experience

### **Intern - Emotibot** 2016 – 2017

- Prep training data from audio files of customer service interactions to develop a neural network model
- Categorized and tagged images to build identification models
- Using rule engine to enhance data accuracy and decrease data error rates

### **Research/ Teacher Assistant - CCU** 2014 – 2016

- Coordinated and taught in-class sessions including Knowledge Discovery and Data Mining undergraduate courses and Mathematical Concepts in Computing
- Analyzed student cases and databases to determine whether the model accuracies were up to standard
- Assisted the professor on examining data quality and model assessments for class lessons

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## Education

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| <b>Colorado State University</b> - MBA., Computer information system | Fort Collins, CO |
| <b>Chinese Culture University</b> - B.S., Applied Mathematics        | Taipei, Taiwan   |
| <b>Chinese Culture University</b> - BBA., Banking and Finance        | Taipei, Taiwan   |