

JIMMY YANG

813-382-1489 • ss890235@gmail.com • www.linkedin.com/in/JimmyYang0314 • Tampa Florida, 33612

EDUCATION

University of South Florida – Tampa, FL, USA

– Dec 2019

M.E., M. Eng.: Industrial and Management System Engineering (GPA: 3.7)

Chung Yuan Christian University – Taoyuan, Taiwan

– Jan 2016

B. Eng.: Industrial and System Engineering

SKILLS

Programming: R, Python, MATLAB

Data Wrangling: SQL

Data Visualization: Tableau

Data Analysis skills: Machine Learning, Data Mining, Data Management, Predictive Analytics

Communication & Collaboration skills (team player)

WORK EXPERIENCE

Industrial Engineering Internship

GLOBAL ETS LLC / Florida, USA

Aug 2019 – Dec 2019

- Build a prototype model using SolidWorks and 3D printer to design the water cleaning
- Control water pressure using Arduino to improve cleaning process
- Research on tinning process, planning to present the formal report to public in 2020
- Conduct component testing to assess chip quality
- Preparing weekly report

Data Management Coordinator

Sino. Culture. Association. Educational Communication./ Taipei, Taiwan

Jan 2016 – Aug 2017

- Managed and updated donor and memberships information in databases
- Developed new SQL Server stored procedures to streamline the data collection
- Created data analysis report for the project manager to improve the efficiency of the business
- Developed and maintained the company's website
- Got promoted as a supervisor at PM department in February 2017, and led team of 4 members in selected projects

Data Analyst Internship

Advanced Semiconductor Engineering, Inc./ Shanghai, China

Jun 2014 – Sep 2014

- Collected, cleaned and analyzed large datasets to develop optimal solutions for product quality using Python
- Built statistical models like linear and logistic Regression, Clustering Algorithms, Time-series using R to capture meaningful insights to answer business problems
- Prepare documentations for database applications using MS SQL
- Analyzed and identified big data and implemented predictive analysis trends utilizing Excel, Tableau and Python
- Assist senior analyst to deliver feasible analytical solutions with documenting project progress

PROJECTS

Predicting House Prices in Boston (Position: Individual)

Sep 2019 – Present

- Employ advanced techniques including random forests, linear regression models using Python
- Process of features engineering of the data suitable for use machining and modeling
- Heading with outliers, using visualization the relationship between any variable and Sale Price
- Build a predictive model to predict Boston housing prices

Detection of Fake Electronics' Transactions (Position: Team leader)

Oct 2018 – Nov 2018

- Collaborated with a teammate to conduct data cleaning, data balancing and analysis for a real world data challenge
- Created training and testing datasets to build models on the datasets - random forests, decision trees, cluster, and serval regression, performed better than other models using R
- Visualized the data for the serval regression model
- Validated the models on the test dataset (our model ranked highest among 14 teams)

LEADERSHIP & AWARDS

Systems Engineering Certificate

2019

Council of Supply Chain Management Professionals

Secretary/Tampa, FL

Sep 2018 – Dec 2019

- Prepared minutes and reports for meetings
- Assisted president to organize any event
- Worked with young professional chairs to organize social and volunteer activities
- Meet the employees to learn about the supply chain in their company