Tidao Huang

C: (+886) 905-335-539 | E: henry.2039@gmail.com | W: https://tidaohuang.github.io

SUMMARY OF QUALIFICATIONS

- Fully proficient in Python, Plotly, and SQL, and have experience in R, Java, CPLEX, and Minitab
- Conduct the data analysis, including descriptive statistics, linear model, design of experiment, and part of machine learning algorithm.
- Utilize object-oriented programming to realize a real system, and conduct simulation optimization
- Employ IBM CPLEX python API to solve the mathematical programming problem in real world
- Worked closely with professional programmers in the department of information technology in small and medium-sized enterprises, Taipei, Taiwan.
- Excellent analytical, technical, problem solving and learning skills to resolve complex issues

EDUCATION

Bachelor of Science in Industrial Engineering and Engineering Management (IEEM)

National Tsing Hua University (NTHU), Hsinchu, Taiwan, Sept 2016 - June 2020

WORK EXPERIENCE

Sept 2018 - June 2020 **Intern at the Department of Information Technology**

AzureWave Technology, Inc., Taipei, Taiwan

- Maintained scheduling system with C# and MS SQL server
- Performed linear model analysis and design of experiment
- Simulated the manufacturing process to obtain the optimal solution

EXTRACURRICULAR EXPERIENCE

July 2019 - Jan 2020 **Participant**

Capstone project, Hsinchu, Taiwan

Title: Stochastic Assignment Optimization via Hybrid Genetic Algorithm

- Supervised by KUO-HAO, CHANG
- Adopted the genetic algorithm with other innovative improvement to deal with the resource assignment problem

July 2017 - July 2018 **Director**

IEEM Summer Camp, Hsinchu, Taiwan

- Accomplished the camp, the biggest student event in IEEM department
- Allocated students jobs, and oversaw their performance

Oct 2017 **Participant**

The IoT Course “iRobot design” , Hsinchu, Taiwan

- Acquired the working knowledge about Arduino, and raspberry pi

May 2017 - Aug 2017 **Participant**

6th Entrepreneurial Competition, Guangzhou , China

- Responsible for mechanism design and graphic design