

Tidao Huang

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SUMMARY OF QUALIFICATIONS

- Experienced in R, Java, CPLEX, and Minitab, and be fully proficient in Python, Plotly, and SQL
- Utilize object-oriented programming to realize a real system or behavior, and conduct simulation optimization
- Conduct the data analysis, including descriptive statistics, linear model, design of experiment, and part of machine learning algorithm.
- Use IBM python CPLEX 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.
- Excellent analytical, technical, problem solving and learning skills to resolve complex issues
- Excellent scientific writing and presenting skills to deliver the final report

EDUCATION

Bachelor of Industrial Engineering and Engineering Management

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

EXPERIENCE

- Co-author - Publication Submitting, Hsinchu, Taiwan, July 2019-present.
 - Cooperate with assistant professor Dr. Hareesh to publish a paper, called “A bibliometric and patent data co-occurrence analysis for the Internet of Things (IoT) technology applied in sustainable pollution management”.
- Intern - AzureWave Technology, Inc., Taipei, Taiwan, Sept. 2018- June 2020.
 - Responsible for 3 areas: scheduling system maintenance with C# and MS SQL server, data analytics involving calculation of overall equipment effectiveness (OEE) and decision of worker assignment, and simulation optimization on the manufacturing process.
- Participant - Capstone project, Hsinchu, Taiwan, July 2019-Jan. 2020.
 - The project is named “Stochastic Assignment Optimization via Hybrid Genetic Algorithm”. Our team adopted the genetic algorithm with other innovative improvement to deal with the worker/machine/resource assignment problem in the manufacturing area.
- Director - IEEM Summer Camp, Hsinchu, Taiwan. July 2017 – July 2018.
 - Lead about 60 workers and plan all the things related to camp, which is the biggest event for students in IEEM department every year.
- Participant - The IoT Course “iRobot design” , Hsinchu, Taiwan. Oct. 2017.
 - Participate in the IoT course, held by NTHU incubator, and learn how to control the gadgets through Arduino board.
- Participant - 6th Entrepreneurial Competition, Guangzhou , China. May 2017 - Aug 2017.
 - Be charged with mechanism design and graphic design in the team.