

Tidao Huang

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SUMMARY OF QUALIFICATIONS

- Worked in SMEs (Netcom industry), Taipei, Taiwan as an intern for approximately 2 years, and focused on optimization of process parameter settings, data analytics for unusual patterns in production line, and scheduling system maintenance
 - 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 parts of machine learning algorithm.
 - Utilize object-oriented programming to realize a real system, and perform simulation optimization
 - Employ IBM CPLEX python API to solve the mathematical programming problem in real world
 - Excellent analytical, technical, problem solving and learning skills to resolve complex issues
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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
 - Identified unusual patterns in the production line by statistical tools
 - Optimized process parameter settings by Simplex and Poisson process
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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 methods 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