

# HSIAO YU-WEI

wayne522048@gmail.com  
0988-153-163

## EDUCATION

---

### 2017.9~2019.8

Master of Industrial Engineering, National Taiwan University (NTU), Taipei, Taiwan

### 2013.9~2017.6

Bachelor of Industrial Management, National Taiwan University of Science and Technology (NTUST), Taipei, Taiwan (Double Major: Finance)

## WORK EXPERIENCE

---

### 2020.2~

- Position: AI Software Engineer      ➤ Employer: NCSIST INFORMATION AND COMMUNICATION RESEARCH DIVISION
- ✓ Achievements: Developed a deep reinforcement learning and applied to the path planning /obstacle avoidance of unmanned aerial vehicles (UAVs) in Unreal Engine.

### 2018.7~2018.8

- Position: Summer Intern      ➤ Employer: MAKALOT INDUSTRIAL, CO., LTD
- ✓ Achievements: Ensures proper production control planning and scheduling programs to meet sales forecasts and to develop an effective capacity planning process.

### 2015.7~2015.8

- Position: Summer Intern      ➤ Employer: ACON(SHEN-ZHEN) LTD
- ✓ Achievements: Analyzes sales data to forecast next season demand and assists in ensuring that new product development process is delivered on-time.

## ACCOMPLISHMENTS

---

### Scholarships

Academic Excellence Award (top 5%), Longshan Temple Scholarship, Prof. CHEN Scholarship, Dept. of Environment Protection Taipei City Government Scholarship

### Awards

Operations Research Society of Taiwan (ORSTW) 2019 Master thesis Competition Honorable Mention, Institute for Information Industry Innovation Contest Honorable Mention

### Volunteer

21<sup>st</sup> World Congress on Information Technology (WCIT) Volunteer

## SKILLS

---

Industrial Engineering: Optimization, Scheduling Algorithm.

Data Science: Data mining, Deep Reinforcement Learning, Business Intelligence

### Languages

Mandarin (fluent), English (proficient) TOEIC745 (2017.4), Taiwanese (basic),

### Programming Skills

Python, R, MySQL, Tableau, Minitab

### Licenses

Chinese Institute of Industrial Engineers (CIIE) Quality Management Technologist, Industrial Engineer, Operations Management Technologist

### Patents

Utility-Model m517144 Co-Inventor (bicycle gadget)