

# Yung-Sung Chuang

UNDERGRADUATE STUDENT · ELECTRICAL ENGINEERING

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## Education

### National Taiwan University(NTU)

Taipei, Taiwan

BACHELAR OF SCIENCE IN ENGINEERING(SOPHOMORE)

Sep. 2016 - PRESENT

- Department of Electrical Engineering, over all GPA(up to now): 4.13/4.30

## Experience

### Institute of Information Science, Academia Sinica

Taipei, Taiwan

RESEARCH INTERN AT INTELLIGENT AGENT SYSTEMS LAB

Jul. 2018 - Aug. 2018

- Supervised by Prof. Wen-Lian Hsu, the director of Institute of Information Science, Academia Sinica
- Improved the system of finding collocation and dependency parsing in natural language sentences with word embedding and deep learning approach

## Selected Honors & Awards

### H. Spectrum Demo Day 2018

Taipei, Taiwan

FIRST PRIZE (OUT OF 21 TEAMS) | [NEWS LINK](#)

Jul. 2018

- We just presented the same work in NCTS Health Hackathon 2018 — PRO (Patient Relay Optimizer)

### NCTS Health Hackathon 2018

Taipei, Taiwan

FIRST PRIZE WITH NT\$120,000 (OUT OF 18 TEAMS) | [NEWS LINK](#) | [CERT. LINK](#)

Jun. 2018

- A hackathon on "Intelligent Hospital" organized by National Center for Theoretical Sciences and Mount Sinai Health System.
- We proposed an improved system for doctors shifting in hospital — PRO (Patient Relay Optimizer)

### MakeNTU 2018

Taipei, Taiwan

BEST TECH AWARD WITH NT\$50,000 & MICROSOFT ENTERPRISE AWARD (OUT OF 50 TEAMS) | [PHOTO LINK 1](#) | [LINK 2](#)

Mar. 2018

- A hackathon focus on the combination of hardware and software, organized by NTU
- We made a automatic machine for coffee beans picking with deep learning technique for better coffee quality and time saving

### HackNTU 2017

Taipei, Taiwan

FIRST PRIZE OF DEPARTMENT OF TRANSPORTATION WITH NT\$50,000 (OUT OF 100+ TEAMS) | [PHOTO LINK](#)

Jul. 2017

- the largest hackathon in Taiwan, organized by NTU
- We made a smart bus bell system for improving the convenience of bus transportation.
- This work also been exhibited on WCIT2017 (World Congress on Information Technology).

### MakeNTU 2017

Taipei, Taiwan

SECOND PRIZE OF MEDIATEK ENTERPRISE AWARD WITH NT\$10,000(OUT OF 50 TEAMS) | [CERT. LINK](#)

Mar. 2017

- We made a automatic machine for lost identification notifying and receiving

## Activities

### Director of NTUEE plus Department, Student Association of NTUEE

Jun. 2018 - Aug. 2019

- Develop a social media network, which will link together alumni and undergrad students of NTUEE.
- Host interviews, talks, providing information about the latest technological developments from alumni.
- Pair alumni and undergrads to helping those aspiring to study abroad.

## Selected Projects

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### Chinese Sentences Collocation Analyser | [Github Link](#)

TINY PROJECT AT IIS

Jul. 2018

- An tiny program that can analysis the collocation relations between Chinese words.

### Functionally Reduced And-Inverter Graph | [Github Link](#)

COURSE FINAL PROJECT OF "DATA STRUCTURE AND PROGRAMMING"

Jan. 2018

- Performing Boolean logic simulations and identify functionally equivalent candidate pairs in the circuit. Reducing the circuit size automatically.

### Input Method Auto-Modifier | [Github Link](#)

PERSONAL SIDE PROJECT

Aug. 2017

- An useful program that can modify you input type between Chinese and English automatically according to the words you type in.

### Emotion Recognition with OpenCV | [Github Link](#)

COURSE FINAL PROJECT OF "INTRODUCTION TO COMPUTER"

Jun. 2017

- Identify emotions of human faces.

### Big Two Game | [Github Link](#)

COURSE FINAL PROJECT OF "COMPUTER PROGRAMMING"

Jan. 2017

- Human-computer game of the big-two game.

## Skills

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**Languages** C++, Python, MATLAB, Shell Scripting

**Libraries&Toolkits** Tensorflow, PyTorch, Keras

**Others**  $\LaTeX$ , Git, Linux