

Yung-Sung Chuang

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Research interests

Natural language processing, machine and deep learning. I want to apply state-of-the-art NLP/DL technique into industry application.

Education

National Taiwan University(NTU)

B.S. IN ELECTRICAL ENGINEERING(JUNIOR), GPA(UP TO NOW): 4.13/4.30

Taipei, Taiwan

Sep. 2016 - Jun. 2020 (EXPECTED)

Research Experiences

Speech Processing & Machine Learning Lab(NTU), supervised by Prof. Hung-yi Lee

Taipei, Taiwan

UNDERGRADUATE RESEARCHER

Aug. 2018 - PRESENT

- Transfer spoken style text to formal style text with generative adversarial architecture.

Intelligent Agent Systems Lab(Academia Sinica), supervised by Prof. Wen-Lian Hsu

Taipei, Taiwan

RESEARCH ASSISTANT

Sep. 2018 - PRESENT

- Making the collocation system more robust on each domain, and pursuing higher accuracy on with state-of-the-art deep learning method.

RESEARCH INTERN

Jul. 2018 - Aug. 2018

- Improved the system of finding collocation and dependency parsing in natural language sentences with word embedding and deep learning approach.
- We beat the research results from five Ph.D students of Prof. Hsu in the past. Part of the system can be found in this [Github repo](#).

Projects

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| Jun. 2018 | Multi-Turn Response Selection Report Link , Course Final Project of "Machine Learning" |
| Jan. 2018 | Func. Reduced And-Inv. Graph Github Link , Course Final Project of "Data Struc. and Programming" |
| Aug. 2017 | Input Method Auto-Modifier Github Link , Personal Side Project |
| Jun. 2017 | Emotion Recognition with OpenCV Github Link , Course Final Project of "Introduction to Computer" |
| Jan. 2017 | Big Two Game Github Link , Course Final Project of "Computer Programming" |

Competitions & Awards

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.
- For reduced the risk of information transfer incomplete between doctors when shifting, we proposed an improved **system for doctors shifting in hospital** — PRO (Patient Relay Optimizer). This system can help doctors grasp all info about patient, status, tasks at a glance.
- This work also won the **first prize** of **2018 H. Spectrum Demo Day** (out of 21 teams) | [News Link](#)

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
- For better coffee quality and time saving, we made a automatic machine for coffee beans picking with deep learning technique.

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.
- For solving the problems of getting on the right bus in the huge and busy city, 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)**, we made presentation to visitors from all around the world.

Activities

DIRECTOR OF NTUEE PLUS DEPARTMENT, STUDENT ASSOCIATION OF NTUEE

Jun. 2018 - PRESENT

- 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.

Skills

Languages	C++, Python, MATLAB, Shell Scripting
Libraries&Toolkits	Tensorflow, PyTorch, Keras
Others	LaTeX, Git, Linux