

# Wu, Liang Yuan (Leo)

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## EDUCATION

### National Taiwan University(NTU)

*Bachelor of Science in Electrical Engineering (EE)*

GPA: 3.95/4.3

Taipei, Taiwan

Sept. 2017 - present

## RESEARCH EXPERIENCE

### Speech Processing and Machine Learning Laboratory

Aug., 2020 – present

- Researched on word embeddings of transformer models, and its application on code-switching text generation.
- Advisor: Hung-Yi Lee(NTUEE)

### Speech Processing Laboratory

Aug., 2019 – present

- Established background knowledge in end-to-end Speech Recognition and Machine Learning, including CTC and Seq2seq.
- Advisor: Lin-shan Lee(NTUEE)

## TEACH EXPERIENCE

### National Taiwan University

Taipei, Taiwan

*Teaching Assistant, Machine Learning(Spring 2020)*

Feb., 2021 – present

- In charge of the explainable AI project, helped student to gain basic knowledge of Machine Learning.

### National Taiwan University

Taipei, Taiwan

*Teaching Assistant, Cornerstone EECS Design and Implementation(Spring 2020)*

Feb., 2020 – June, 2020

- Compiled teaching materials that helped EE freshman students to build a path following automatic robot.

## WORK EXPERIENCE

### Ucarer Inc.

Taipei, Taiwan

*Intern platform Engineer*

March, 2021 – present

- Developed a backend operation system for product management, using Laravel and PHP.

### Dragoncloud.ai

California, United State

*Intern Machine Learning Engineer (remote)*

May, 2020 – present

- Developed an AI classroom system that analyzed the proportion and the contents of English that was used during a class.
- Developed an accent scoring model.

## LEADERSHIP EXPERIENCE

### 2020 MakeNTU Makeathon/ General Coordinator

July, 2019 – Oct., 2020

- Led a team of over 80 members to hold a 2 day makeathon about IoT for all under-graduates over Taiwan.
- Collaborated with Ministry of Education, and 10+ international companies including GOOGLE, ARROW, MediaTek and so on.

### Academic Department of NTUEE Student Association/ Director

June, 2019 – June, 2020

- Led a team of over 40 students to provide academic services to the 700+ undergraduates.
- Maintained an openlab, Makerspace, including, but not limited to 3D printing, laser cutting and 10+ kinds of evaluation boards.

### Basketball Team, Department of EE/ Captain

June, 2019 – June., 2020

- Led a basketball team of more than 30 student players to win 2nd place in NTU College Freshman Basketball Cup.

## HONORS

### Outgoing Exchange Student Scholarship NTU

Dec., 2020

- Awarded to exchange students with excellent internal screening score out of all students in NTU.

### Social Devotion Special Award NTU

Nov., 2020

- In recognition of my devotion to public services that I helped building an access control system in NTU to prevent the spread of COVID-19.

### 2nd prize of Undergraduate Innovation Award NTUEE

July, 2020

- Topic: Smart Access Control with Automatic Thermometer System based on IoT
- Awarded out of all undergraduate students in NTUEE.

## SKILLS

**Languages:** Mandarin Chinese(native), English (fluent)

**Programming Languages:** Python, C/C++, Javascript, PHP

**Deep Learning Libraries:** PyTorch, Transformers

**Web Development:** HTML, CSS, React, MongoDB, GraphQL, Laravel