

Wu, Liang Yuan (Leo)

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EDUCATION

National Taiwan University(NTU)

Bachelor of Science in Electrical Engineering (EE)

GPA: 4.0/4.3

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 – June 2021

- 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 – June 2021

- 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 – June 2021

- 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