

Wu, Liang Yuan (Leo)

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EDUCATION

University of Edinburgh(UoE)

Visiting student in the College of Science and Engineering

Edinburgh, United Kingdom

Sept. 2021 - Dec. 2021

National Taiwan University(NTU)

B.S. in Electrical Engineering (EE)

Overall GPA: 4.0/4.3, last 2 years GPA: 4.21/4.3

Taipei, Taiwan

Sept. 2017 - June 2021

RESEARCH EXPERIENCE

Speech Processing Laboratory

Aug., 2019 – Aug. 2021

- Established background knowledge in end-to-end Speech Recognition and Machine Learning, including CTC and Seq2seq.
- Researched on Automatic Speech Recognition system of Mandarin Chinese.
- Advisor: Lin-shan Lee(NTUEE)

Speech Processing and Machine Learning Laboratory

Aug., 2020 – Aug. 2021

- Researched on word embeddings of transformer models, and its application on code-switching text generation.
- Joined the poster presentation program with the topic "Code-switching Text Data Augmentation" in MLSS 2021.
- Advisor: Hung-Yi Lee(NTUEE)

TEACH EXPERIENCE

National Taiwan University

Teaching Assistant, Machine Learning(Spring 2021)

Taipei, Taiwan

Feb., 2021 – June 2021

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

National Taiwan University

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

Taipei, Taiwan

Feb., 2020 – June, 2020

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

WORK EXPERIENCE

Ucarer Inc.

Intern platform Engineer

Taipei, Taiwan

March, 2021 – Aug. 2021

- Developed a backend operation system for the e-commerce platform, using Laravel and MySQL.
- Built a customer relationship management system to help customers shopping on the platform.

Dragoncloud.ai

Intern Machine Learning Engineer (remote)

California, United State

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

Y.L. Lin Scholarship NTU

July, 2021

- Awarded to vision-driven and altruistic outgoing NTU students.

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

- Awarded to our special project, "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, MySQL