Liang-Yuan (Leo) **Wu**

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Education

University of Michigan(UMich) *Ann Arbor, United States*

M.S. in Computer Science & Engineering *Aug. 2022 - Apr. 2024 (expected)*

The University of Edinburgh(UoE) *Edinburgh, United Kingdom*

Visiting Student(Non-Degree) in School of Informatics, College of Science & Engineering *Sept. 2021 - Dec. 2021*

National Taiwan University(NTU) *Taipei, Taiwan*

B.S. in Electrical Engineering *Sept. 2017 - Aug. 2021*

Research Experience

Accessibility Lab *Ann Arbor, United States*

Graduate Researcher, advised by Prof. Dhruv Jain *May. 2023 - now*

- **Improving ASR Systems with Large Language Models** Ongoing work planned to be submitted to IMWUT 2024
- **Improving CART Systems in Real-Time** Paper submitted to Conference on Human Factors in Computing Systems (CHI) 2024
- **Adaptive Sound Recognition Application Development** Implementation for the paper accepted by ASSETS 2023

Computational Human-Centered Analysis and Integration (CHAI) Laboratory *Ann Arbor, United States*

Graduate Researcher, advised by Prof. Emily Mower Provost *Aug. 2022 - Apr. 2023*

- **Domain Adaptation in Speech Emotion Recognition (SER)**

Centre for Speech Technology Research *Edinburgh, United Kingdom*

Undergraduate Researcher, advised by Dr. Hao Tang *Sept. 2021 - Mar. 2021*

- **Domain Adaptation in Self-Supervised Speech Representation Learning**

Speech Processing and Machine Learning Laboratory *Taipei, Taiwan*

Undergraduate Researcher, advised by Prof. Lin-shan Lee, and Prof. Hung-yi Lee *Sept. 2019 - Aug. 2021*

- **Code-Switching Text Data Augmentation** Poster presented in Machine Learning Summer School (MLSS) 2021
- **Automatic Speech Recognition(ASR) system of Mandarin Chinese**

Teaching Experience

EECS 592 Foundations of AI (Fall 2023) *UMich*

Graduate Student Instructor *Aug. 2023 — Dec. 2023*

EE 5184 Machine Learning (Spring 2021) *NTU*

Teaching Assistant *Feb. 2021 — June 2021*

EE 1006 Cornerstone EECS Design and Implementation (Spring 2020) *NTU*

Teaching Assistant *Feb. 2020 — June 2020*

Honors & Awards

2021	**Awardee**, Dean's List Award	*EE Dept., NTU*
2021	**Awardee**, Y.L. Lin Scholarship	*Y.L. Foundation*
2021	**Honorable Mention**, AI CUP Medical Dialogue Analysis Competition	*Aldea, Taiwan*
2020	**Awardee**, Outgoing Exchange Student Scholarship	*OIA, NTU*
2020	**Awardee**, Social Devotion Special Award	*NTU*
2020	**Awardee**, Altruistic Award	*NTU*
2020	**2nd Prize**, Undergraduate Innovation Award	*EE Dept., NTU*
2018	**Enterprise Award: E.SUN Bank**, 2018 MakeNTU	*EESA, NTU*