

Hsi-Che Lin

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Education

National Taiwan University

MS IN GRADUATE INSTITUTE OF COMMUNICATION ENGINEERING

- Advisor: Yu-Chiang Frank Wang

Taipei, Taiwan

Sep 2024. - present

National Taiwan University

BS IN ELECTRICAL ENGINEERING

- GPA: 4.17/4.30, Rank: 19/202

Taipei, Taiwan

Sep. 2021 - Jun. 2024

National Tsing Hua University

BS IN ELECTRICAL ENGINEERING

Hsin-Chu, Taiwan

Sep. 2020 - Jun. 2021

Research Interests

- Multi-modal large language models
- Computer Vision
- Efficient AI

Publications

- [1] **Hsi-Che Lin**, Yu-Chu Yu, Kai-Po Chang, Yu-Chiang Frank Wang
EMLoC: Emulator-based Memory-efficient Fine-tuning with LoRA Correction
Under review. 2025.
- [2] **Hsi-Che Lin***, Yi-Cheng Lin*, Huang-Cheng Chou, Hung-yi Lee
Improving Speech Emotion Recognition in Under-Resourced Languages via Speech-to-Speech Translation with Bootstrapping Data Selection
IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2025
- [3] **Hsi-Che Lin**, Chien-Yi Wang, Min-Hung Chen, Szu-Wei Fu, Yu-Chiang Frank Wang
QuAVF: Quality-aware Audio-Visual Fusion for Ego4D Talking to Me Challenge
IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Ego4D Workshop, 2023
- [4] Chien-yu Huang, Wei-Chih Chen, ..., **Hsi-Che Lin**, ..., Hung-yi Lee
Dynamic-SUPERB Phase-2: A Collaboratively Expanding Benchmark for Measuring the Capabilities of Spoken Language Models with 180 Tasks
International Conference on Learning Representations (ICLR), 2025
- [5] Jr-Jen Chen, Yu-Chien Liao, **Hsi-Che Lin**, Yu-Chu Yu, Yen-Chun Chen, Yu-Chiang Frank Wang
ReXTime: A Benchmark Suite for Reasoning-Across-Time in Videos
Neural Information Processing Systems (NeurIPS) Datasets and Benchmarks Track, 2025
- [6] Yi-Cheng Lin, Tzu-Quan Lin, **Hsi-Che Lin**, Andy T. Liu, Hung-yi Lee
On the social bias of speech self-supervised models
INTERSPEECH, 2024

Teaching Experience

- Spring 2025 **Machine Learning**, Teaching Assistant
- Fall 2024 **Deep Learning for Computer Vision**, Teaching Assistant
- Spring 2024 **Introduction to Generative AI**, Teaching Assistant
- Fall 2023 **Deep Learning for Computer Vision**, Teaching Assistant