

Tzu-Han Lin



✉ r12944034@csie.ntu.edu.tw

✉ @tzuhan_0316



in LinkedIn

🎓 Google Scholar

Education

- 2023 – Present  **National Taiwan University, Taiwan**
M.S. in Graduate Institute of Networking & Multimedia
- 2019 – 2023  **National Taiwan University, Taiwan**
B.S. in Computer Science & Information Engineering

Work Experience

- Jun 2024 – Oct 2024  **Machine Learning Scientist Intern**, Appier, Taipei, Taiwan
- Developed an LLM-based system to automate application assessment.
- Jul 2022 – Jul 2023  **Research & Development Intern**, Microsoft, Taipei, Taiwan
- Analyzed backend data to evaluate and optimize recommendation algorithms.

Research Experience

- Jun 2025 – Present  **Remote Research Intern**, University of Virginia
Advisor: Dr. Yu Meng
Research Topics: Agentic RAG, LLM Reasoning
- Sep 2023 – Present  **Machine Intelligence & Understanding Lab**, National Taiwan University
Advisor: Dr. Yun-Nung Chen
Research Topics: Preference Learning [3, 1], Knowledge Editing [2] in NLP
- Oct 2021 – Dec 2023  **Speech Processing & Machine Learning Lab**, National Taiwan University
Advisor: Dr. Hung-yi Lee
Research Topics: Evaluation [6, 5] and Parameter-Efficient Fine-Tuning (PEFT) [4] in Speech Foundation Models




Research Publications

In Proceedings







- 1 Chen-An Li, **Tzu-Han Lin**, Yun-Nung Chen, and Hung-yi Lee. “Transferring Textual Preferences to Vision-Language Understanding through Model Merging”. In: *The 63rd Annual Meeting of the Association for Computational Linguistics*. 2025.  URL: <https://openreview.net/forum?id=Hrpj4hDHsV>.
- 2 Cheng-Hsun Hsueh*, Paul Kuo-Ming Huang*, **Tzu-Han Lin***, Che Wei Liao*, Hung-Chieh Fang*, Chao-Wei Huang, and Yun-Nung Chen†. “Editing the Mind of Giants: An In-Depth Exploration of Pitfalls of Knowledge Editing in Large Language Models”. In: *Findings of the Association for Computational Linguistics: EMNLP 2024*. Ed. by Yaser Al-Onaizan, Mohit Bansal, and Yun-Nung Chen. Miami, Florida, USA: Association for Computational Linguistics, Nov. 2024, pp. 9417–9429.  DOI: 10.18653/v1/2024.findings-emnlp.550.
- 3 **Tzu-Han Lin**, Chen-An Li, Hung-yi Lee, and Yun-Nung Chen†. “DogeRM: Equipping Reward Models with Domain Knowledge through Model Merging”. In: *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*. Ed. by Yaser Al-Onaizan, Mohit Bansal, and Yun-Nung Chen. Miami, Florida, USA: Association for Computational Linguistics, Nov. 2024, pp. 15506–15524.  DOI: 10.18653/v1/2024.emnlp-main.868.
- 4 **Tzu-Han Lin***, How-Shing Wang*, Hao-Yung Weng**, Kuang-Chen Peng**, Zih-Ching Chen, and Hung-Yi Lee†. “PEFT for Speech: Unveiling Optimal Placement, Merging Strategies, and Ensemble Techniques”. In: *2024 IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops (ICASSPW)*. 2024, pp. 705–709.  DOI: 10.1109/ICASSPW62465.2024.10625957.

- 5 Guan-Ting Lin^{*}, Chi-Luen Feng^{*}, Wei-Ping Huang^{**}, Yuan Tseng^{**}, **Tzu-Han Lin^{**}**, Chen-An Li^{**}, Hung-yi Lee[†], and Nigel G. Ward[†]. “On the Utility of Self-Supervised Models for Prosody-Related Tasks”. In: *2022 IEEE Spoken Language Technology Workshop (SLT)*. 2023, pp. 1104–1111.  DOI: 10.1109/SLT54892.2023.10023234.
- 6 Tung-Yu Wu^{*}, Tsu-Yuan Hsu^{*}, Chen-An Li^{*}, **Tzu-Han Lin^{*}**, and Hung-yi Lee[†]. “The Ability of Self-Supervised Speech Models for Audio Representations”. In: *HEAR: Holistic Evaluation of Audio Representations (NeurIPS 2021 Competition)*. Ed. by Joseph Turian, Björn W. Schuller, Dorien Herremans, Katrin Kirchoff, Paola Garcia Perera, and Philippe Esling. Vol. 166. Proceedings of Machine Learning Research. PMLR, 13–14 Dec 2022, pp. 90–110.  URL: <https://proceedings.mlr.press/v166/wu22a.html>.




Teaching Experience

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|---------------------|---|--|
| Feb 2024 – Jun 2024 |  Foundations of Artificial Intelligence , Spring 2024 | <i>Instructors: Prof. Shang-Tse Chen & Prof. Yun-Nung Chen</i> |
| | TEACHING ASSISTANT | |
| | - In charge of course final project – AI system for Texas hold'em game | |
| Sep 2023 – Dec 2023 |  Applied Deep Learning , Fall 2023 | <i>Instructor: Prof. Yun-Nung Chen</i> |
| | TEACHING ASSISTANT | |
| | - In charge of homework 1 – BERT for traditional Chinese QA | |
| Feb 2022 – Jun 2022 |  Machine Learning , Spring 2022 | <i>Instructor: Prof. Hung-yi Lee</i> |
| | TEACHING ASSISTANT | |
| | - Designed homework 4 – Speaker Recognition with Self-Supervised Learning Speech Models | |



Projects

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|---------------------|---|--|
| Dec 2023 – Feb 2024 |  TAME – LLM for Taiwanese Culture across Diverse Domains |  Github |
| | - Curated synthetic datasets for multi-turn instruction-following. | |
| | - Achieved state-of-the-art results on traditional Mandarin NLP benchmarks. | |
| Oct 2021 – Dec 2021 |  HEAR 2021 NeurIPS Challenge - Holistic Evaluation of Audio Representations |  Github;  Official Website;  Introduction Slide |
| | - Developed feature extraction methods for high-quality audio representations. | |
| | - Ranked among the top teams, outperforming participants from Logitech, NYU, Xiaomi, and others. | |
| | - Delivered a lightning talk at the NeurIPS 2021 Competition Track and NeurIPS Taiwan Meetup 2021. | |
| | - Results published in the Proceedings of Machine Learning Research (PMLR) [6]. | |

Awards

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| Jul 2025 |  ACL 2025 Travel Grant | Awarded by the Foundation for the Advancement of Outstanding Scholarship (FAOS), Taipei, Taiwan. |
| Jun 2025 |  Qualified Recipient, The Top PhD Cultivation Program Fellowship | Selected by the College of Electrical Engineering and Computer Science, National Taiwan University. |
| Jan 2025 |  Qualified Recipient, NSTC Graduate Research Fellowship | Selected by the National Science and Technology Council (NSTC), Taipei, Taiwan. |

Awards (continued)

- Nov 2024  **EMNLP 2024 Travel Grant**
Awarded by the Association for Computational Linguistics and Chinese Language Processing (ACLCLP).
- Jun 2023  **Prof. Liang-Jia Chen Memorial Scholarship**
Awarded by National Taiwan University for academic excellence.