Wei-Lin Chen

✉ *wlchen [at] nlg.csie.ntu.edu.tw* 🔗 *linkedin.com/in/weilinwchen* 🌐 *https://wlchen0206.github.io/*

EDUCATION

Sept. 2021 - June 2023	**National Taiwan University** *MS in Computer Science and Information Engineering*	Taipei, Taiwan

- CGPA - 4.23/4.30

Sept. 2017 - June 2021	**National Yang Ming Chiao Tung University** *BS in Computer Science*	Hsinchu, Taiwan

- CGPA - 4.20/4.30

PUBLICATION

[5] (first author) — **Fidelity-Enriched Contrastive Search: Reconciling the Faithfulness-Diversity Trade-Off in Text Generation**
Wei-Lin Chen, Cheng-Kuang Wu, Hsin-Hsi Chen, Chung-Chi Chen

EMNLP 2023 [paper] [poster] [slide]

[4] (co-first author) — **SELF-ICL: Zero-Shot In-Context Learning with Self-Generated Demonstrations**
Wei-Lin Chen*, Cheng-Kuang Wu*, Yun-Nung Chen, Hsin-Hsi Chen

EMNLP 2023 [paper] [poster]

[3] (first author) — **ZARA: Improving Few-Shot Self-Rationalization for Small Language Models**
Wei-Lin Chen, An-Zi Yen, Cheng-Kuang Wu, Hen-Hsen Huang, Hsin-Hsi Chen

EMNLP Findings 2023 [paper]

[2] (co-first author) — **Large Language Models Perform Diagnostic Reasoning**
Cheng-Kuang Wu*, Wei-Lin Chen*, Hsin-Hsi Chen

ICLR 2023 (Tiny Papers Track) [paper] [poster]

[1] (first author) — **Learning to Generate Explanation from e-Hospital Services for Medical Suggestion**
Wei-Lin Chen, An-Zi Yen, Hen-Hsen Huang, Hsin-Hsi Chen

COLING 2022 [paper] [poster]

EXPERIENCE

Aug. 2023 - present	**Research Assistant** *MiuLab, NTU*	Taipei, Taiwan

- Advised by Prof. Yun-Nung (Vivian) Chen on instruction optimization for aligned LLMs.

Mar. 2023 - June 2023	**Research Intern** *Artificial Intelligence Research Center, AIST*	Tokyo, Japan (Remote)

- Mentored by Dr. Chung-Chi Chen on mitigating and evaluation of hallucinations in NLG.

| Sept. 2022 - Jan. 2023 | **Graduate Teaching Assistant** | Taipei, Taiwan |
| | *Information Retrieval and Extraction (CSIE5460), NTU* | |

- Host TA hours, grade exams and organize the term project for the 43-student course.

| Jan. 2022 - Jan. 2023 | **Network Administrator** | Taipei, Taiwan |
| | *NLPLab, NTU* | |

- Manage GPU servers, workstations, and NAS for 20-plus lab members.

| Sept. 2021 - June 2023 | **Research Assistant** | Taipei, Taiwan |
| | *NLPLab, NTU* | |

- Advised by Prof. Hsin-Hsi Chen on Trustworthy AI with a focus of free-text rationales.

| Feb. 2020 - Jan. 2021 | **Undergraduate Student Researcher** | Hsinchu, Taiwan |
| | *Data Intelligence Lab, NYCU* | |

- Advised by Prof. Vincent S. Tseng on predicting asthma attacks with temporal data using machine learning techniques.

SERVICE AND VOLUNTEER

| 2023, 2024 | **Reviewer** |
| | *EMNLP 2023, ICLR 2024 (Tiny Papers Track)* |

| June 2023 - Sept. 2023 | **Language Ambassador** |
| | *Traditional-Chinese language ambassador of Cohere for AI's AYA open science project.* |

- Assist regional meetups and outreach for instructional data curation.

| July 2023 | **Student Volunteer** |
| | *The 46th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2023).* [certificate] |

AWARD

| 2023 | **Outstanding Teaching Assistant Award** |
| | *Selected as one of the department's outstanding TAs based on students' feedback.* |

- For the *Information Retrieval and Extraction* (CSIE5460) course.

| 2021 | **Fake-EmoReact Competition - Shared task of SocialNLP, NAACL** |
| | *4th place (3-person team)* |

- Detect fake news tweets using interpretable deep learning approaches with *saliency map* visualization. [pdf] [code]

| 2018, 2019 | **President's List** |
| | *Semester grade in the top 5% of the department.* |

PROJECT

| 2023 | **Traditional-Chinese Alpaca** |

- Build a Traditional-Chinese instruction-following language model with parameter-efficient fine-tuning (100-plus stars on github). [github]