# Wei-Lin Chen

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

## EDUCATION

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

- CGPA - 4.23/4.30

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

- CGPA - 4.20/4.30 (Rank 1/51)

## 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

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|---|---|---|
| Aug. 2023 - present | **Research Assistant** <br> *MiuLab, NTU* | Taipei, Taiwan |

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

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

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

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

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

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

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

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

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

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

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

—————————- ## SERVICE AND VOLUNTEER

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| 2023, 2024 | **Reviewer**<br>*EMNLP 2023, ICLR 2024 (Tiny Papers Track), ICML 2024* |

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

- Assist regional meetups and outreach for instructional data curation.

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

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

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

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

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

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

—————————- ## PROJECT

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

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