

Chang-Yu Tsai

MA in Linguistics, NCCU
BA in Chinese Literature, NTPU

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CURRENT POSITION

Feb. 2025 - Present
Taipei, Taiwan

Teaching Assistant: Computational Linguistics

- Designed and conducted lab sessions about:
 - packages including PyTorch, TensorFlow, and Scikit-learn
 - tasks including classification, sequence labelling, seq2seq, and topic modelling
 - models including CRF, RNNs, Transformers, BERT, and GPT prompting

PROJECTS

Oct. 2024 - Feb. 2025

Customised GPT 身軀掠一咧 Sin-khu Liah Jit-le

- Used prompt engineering and in-context learning to identify the target entities.
- Expected to develop the AI healthcare services, combining speech recognition.

Nov. 2022 - Mar. 2023

真的吧訊息事務所 Browser game 討厭詭圖鑑：勇者遠征

- Created an immersive learning experience by integrating storytelling and gameplay to learn language patterns of misinformation.

Aug. 2022 - Nov. 2022

真的吧訊息事務所 LINE bot 討厭詭圖鑑

- Designed and developed a learning-oriented LINE bot to help users identify language patterns in misinformation.
- Showcased the project at the 2022 Taiwan IT Month, demonstrating the results and promoting the LINE bot.

RESEARCH WORKS

Jan. 2025

Master's Thesis

- Entity Extraction and Semantics Exploration of Body Part Names In Taiwan Southern Min Healthcare Texts*

Oct. 2022

Conference Paper: NCL 23

- Popular Comment Detection on Social Media: Taking Dcard for Example*

Sep. 2020 - Jan. 2025

Term Projects

- *Pronunciation Variations of Voiced Stops [b] and [g] among Younger Taiwanese Speakers*
- *Cooperative Principles Analysis of Political Discourse: Case Study of Taiwan Political Figures*
- *Entropy Approach of Mandarin-Speaking Children's Language Diversity*

WORK EXPERIENCES

Mar. 2025 - Mar. 2025
Stuttgart, Germany

Booth Assistant - Fastener Fair Stuttgart 2025

- Greeted visiting professionals, introduced company products, and supported booth operations.
- Communicated with international visitors in English to deliver product overviews and respond to inquiries.

Aug. 2022 - Jan. 2025
Taipei, Taiwan

Teaching Assistant

- The Humanity and Science of Language
 - Led a team of 8 teaching assistants, coordinating tasks and bridging communication with three instructors.
- Exploring Language Application in Daily Technology
 - Designed and conducted lab sessions on Python for NLP tasks.
- Taiwan Southern Min and Taiwan Culture
 - Led discussion sessions on the linguistic properties of Taiwan Southern Min and the development of Taiwanese culture.

SIDE PROJECTS



Personal website: entropiatsai.github.io

This website provides more information about me and showcases my portfolio. You can click the link or scan the QR code to visit.

SKILLS

Python and R GCP
Linux commands Praat
Latex

LANGUAGES

Mandarin English
Taiwanese German