

Guojun Wu

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Education

University of Zurich

Sep 2022 – Present

MA in Computational Linguistics, Minor in Data Science

National Taiwan University of Science and Technology

Sep 2018 – June 2022

BSc in Electronic and Computer Engineering

Publications

- Guojun Wu, Shay B. Cohen, Rico Sennrich. 2024. Evaluating Automatic Metrics with Incremental Machine Translation Systems. *EMNLP 2024 Findings*
- Guojun Wu, Sarah Ebling. 2024. Investigating Ableism in LLMs through Multi-turn Conversation. *EMNLP 2024 Workshop NLP4PI*
- Guojun Wu, Lena S. Bolliger, David R. Reich, Lena A. Jäger. 2024. An Eye Opener Regarding Task-Based Text Gradient Saliency. *ACL 2024 Workshop CMCL*
- Guojun Wu. 2023. ICU: Conquering Language Barriers in Vision-and-Language Modeling by Dividing the Tasks into Image Captioning and Language Understanding. *EMNLP 2023 Findings*

Research Experience

Master Thesis

Department of Computational Linguistics, University of Zurich

Supervisor: Prof. Dr. Rico Sennrich

Automatic Evaluation of Machine Translation

Sep 2023 – June 2024

- Revisited previous work on the development and evaluation of automatic metrics.
- Evaluated automatic metrics with incremental machine translation systems.

Seminar Projects

Department of Computational Linguistics, University of Zurich

Bias against Persons with Disabilities (PWD) in LLMs

May 2024 – June 2024

- Generated contents about PWD with LLMs through multi-turn conversation.
- Analyzed the contents through different identifying method in a contrastive manner.

Generative AI Authorship Verification

April 2024 – May 2024

- Proposed a novel approach using natural language inference models for authorship verification.
- Developed a dockerized software and published a notebook paper for the shared task at CLEF2024.

Correlation between Language Models and Human Eye Movement

Nov 2023 – Feb 2024

- Clarified contradictions in previous works on correlating language models with human eye movement.
- Investigated the correlation through a task-specific approach with gradient saliency.

Multilingual Vision-language Modeling

April 2023 – June 2023

- Proposed a divide-and-conquer approach for multilingual vision-language modeling tasks.
- Implemented the approach with a image captioning model, and a language model.

Core Skills

Programming: Python, Matlab, R, Java, JavaScript, C, C++, C#

Libraries and Tools: PyTorch, HuggingFace, Sklearn, Pandas, Numpy, Git, Docker

Architectures: Transformers (BERT, GPT, T5), CNN, LSTM, GAN

Languages: Chinese (native), English (fluent)