Guojun Wu

Telephone: +41 762652533 Email: guojun.wu@uzh.ch

Education

University of Zurich **Sep 2022 – Present**
MA in Computational Linguistics, Minored 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 Experiences

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 content about PWD with LLMs through multi-turn conversation.
- Analyzed the content 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)