Zhuowei Chen

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Education

University of California, Berkeley (GPA:4.00/4.00) **Aug.2023 – Jan.2024**
Undergraduate Visiting Student *Berkeley, USA*

Guangdong University of Foreign Studies (GPA:3.78/4.00) **Expected July 2025**
Bachelor in Software Engineering *Guangzhou, China*

Publications

Enhancing Hindi Feature Representation Through Fusion of Dual-Script Word Embeddings (Under review)
Lianxi Wang,Yujia Tian, **Zhuowei Chen***
Proceedings of the 31st International Conference on Computational Linguistics, 2024 A Distantly-Supervised Relation

Extraction Method Based on Selective Gate and Noise Correction
Zhuowei Chen, Yujia Tian, Lianxi Wang*, Shengyi Jiang
China National Conference on Chinese Computational Linguistics, 2023

Experience

Guangzhou Key Laboratory of Multilingual Intelligent Processing, GDUFS **Sept.2021 – Present**
Research Assistant *Guangzhou, China*

- Leadership in proposing an effective dual-script representation method for Hindi.
- Leadership in designing a novel distantly-supervised relation extraction method.
- Worked as a TA for Language Processing Technique, introducing Jieba, NLTK, huggingface etc.

Projects

Fusion of dual-script LLMs for Hindi | *Python, PyTorch, Sklearn* **May. 2023 - Oct. 2023**

- Improved Hindi language model's performance by fuse features from two different Hindi scripts.
- Completed data statistics and cleaning by using Pandas,Numpy and Scikit-learn.
- Performed model implementation, training and evaluation with PyTorch.
- Analysed the proposed method with the experimental results.

Research on distantly supervised relation extraction | *Python, PyTorch, Sklearn* **Sept. 2022 - Feb. 2023**

- Improved distantly supervised relation extraction performance by designing an effective noise-dealing method.
- Contributed to propose a novel method for RE that incorporates gate mechanism and an end-to-end noise correction method.
- Performed model implementation, training and evaluation with PyTorch.
- Analysed the proposed method with the experimental results.

Data visualization platform for Chinese cities | *Python, Scrapy, Django, SQL, Web* **Feb, 2022 - Sept, 2022**

- Analyzed and visualized various indicators of cities to establish a profile for each city.
- Developed crawlers and framework to collect data on Chinese cities from 2010 to 2023 with Scrapy and MySQL.
- Performed model implementation, training and evaluation with PyTorch.
- Developed visualization software as a full-stack engineer using Django, HTML, CSS, and JavaScript.

Achievements

Silver Medal, National College Student Mathematical Modelling Competition, 2023
First-class Scholarship, GDUFS General Scholarship, 2023
Bronze Medal, Cantonese Challenge Cup Academic Works Competition, 2023
Gold Medal, GDUFS Challenge Cup Academic Works Competition, 2023
Silver Medal, National College Computer Design Competition, 2022
Gold Medal, Cantonese College Computer Design Competition, 2022
Software Copyright, Data Visualization Platform for Chinese Cities, 2022
Second-class Scholarship, GDUFS General Scholarship, 2022