Yuehan Zhang

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Education

Wuhan University (WHU), Wuhan, China   2021-Present
Master student in Data Science, GPA 3.45/4(**Average Score 88.21**), expected June 2024

Wuhan University (WHU), Wuhan, China   2017-2021
Bachelor in Library Science, **GPA 3.81/4**

Project Experience

On the Understanding of Argumentative Zoning of Scientific Documents Based on Deep Learning
Bachelor Graduation Thesis

Brief introduction: Long document summarization task.

- Constructed a structured dataset containing 370,000+ scientific paper with PubMed-OA using Spark.
- fine-tuned BART model with a divide and conquer framework utilizing argument zones.
- Optimized Rouge-L 7%

Construction of Data Platform and Deep Mining of Foreign Parliamentary Data
MySQL, Python   National level Student Project

Brief introduction: Constructed a database and a Parliamentary Big Data Platform(Web) with data collected from parliaments.

- Designed the database structure and implemented it with MySQL.
- Deployed the server at http://parliament.whu.edu.cn.
- Interviewed members of the Ministry of Foreign Affairs about the platform.
- Visualized international relationships using network analysis tools and published a poster in JCDL.

Publications

Peer-reviewed journal and conference papers

- Wei Lu, Yan Ren, Yong Huang, Yi Bu, **Yuehan Zhang**. Scientific collaboration and career stages: An ego-centric perspective. Journal of Informetrics. DOI:10.1016/j.joi.2021.101207
- **ZHANG Yuehan**. Bibliometric Analysis of the Retracted Papers between 2012-2018 from China. Library Tribune, 2021,41(11):52-59.
- HUANG Jiani, WANG Junling, SHEN Jiayu, WANG Yiyang, **ZHANG Yuehan**. Data set and Platform Construction of National Parliaments. Technology Intelligence Engineering, 2020,6(02):36-47.

Ongoing

- Dying of detection: Is text generated by AI detectable?

Presentation

- Junling Wang, **Yuehan Zhang**, Jiani Huang, Jiayu Shen, Yiyang Wang, Jiamin Wang, Jiming Hu, and Wei Lu. Analyzing International Relations from British Parliamentary Debates. In Proceedings of the ACM/IEEE Joint Conference on Digital Libraries in 2020 (JCDL'20). Association for Computing Machinery. **(Poster)**
- **Yuehan Zhang**. Bibliometric analysis of retracted publications between 2012-2018 in China. Workshop 7-1 Data-driven Smart Library in China, JCDL'20. Association for Computing Machinery. **(Oral Presentation)**

Skills

- Programming Languages: Python > Java > VBA == SAS
- Platform: Linux(Ubuntu)
- HuggingFace, Pytorch, Cloud Services such as object storage, Git
- Crawlers and Browser Automation(Selenium), Task Automation on Windows(AutoIt)
- LLM related: Fine-tuning, Multi-card training(DeepSpeed), Instruction Tuning, Prompt Engineering

Honors and Awards

3rd Prize, CAIL(Chinese Challenge of AI in Law) 2022, Legal News Summarization Track	Dec. 2022
National Encouragement Scholarship	Oct. 2019,Oct. 2020
2nd Prize, Scholarship Wuhan University	Oct. 2019,Oct. 2020
3rd Prize, Scholarship Wuhan University	Oct. 2018
Merit Student, Wuhan University	Oct. 2018, Oct.2019, Oct. 2020
3rd Prize, SAS China Data Analysis Championship, SAS Greater China	Dec. 2020
2nd Prize, 2019 NCIECC, OVERSEAS ENGLISH	Dec. 2019
Excellence Award of the 2nd National University Data-Driven Innovation Competition	May. 2019
1st Prize of IEEE Xplore Search Contest	May. 2018

Professional Experience

Internship

Research Assistant Intern in Semantics Mining based on Deep Learning Group, The Wuhan Branch of the National Science Library, Chinese Academy of Sciences.   Jun. 2020-Sep. 2020
Brief introduction: Designed research protocol; Crawled medical news text for BERT fine-tuning.

Voluntary Work

Venue Volunteer for the 7th CISM Military World Games	Oct. 2019
Technical Volunteer for the ACM/IEEE Joint Conference on Digital Libraries(JCDL'20)	Aug. 2020
Member of Wuhan University Youth Volunteers Association	Oct. 2017-Oct. 2018

Teaching

Teaching Assistant, Advanced English of Class of 2026	Feb. 2023-Jun. 2023

Miscellaneous

- Languages: English - **TOEFL 109**(*Listening*30*Reading*29*Speaking*24*Writing*26), Mandarin - Native speaker
- Interests: Playing the guitar, Basketball, Billiards, Table tennis, Soccer, Badminton, Video clip(Best Screenplay and 2nd Award of "Lab safety" Micro Video Solicitation, Wuhan University)
- A Live Editor & Live Announcer of the English Department of Wuhan University Broadcasting Station
- A tenor of the DrinkWater Choir
- 4th Place of Group one in 2018 Orienteering Competition of Wuhan University