Jiansheng Wang

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🎓 Education

Northwest Agriculture and Forest University (NWAFU), Shaanxi, China   2021 – Present
Undergraduate (Major) in Electrical Engineering and Automation

Northwest Agriculture and Forest University (NWAFU), Shaanxi, China   2022 – Present
Undergraduate (Minor) in Artificial Intelligence (Software Engineering)

👥 Experience

Protein functional sites identification based on PU-learning method
Advised by Prof. LIU Ze   Summer 2022 – Present
In this work, we proposed a PU-learning-based model for predicting plant S-acylation sites. The work was intensively on feature engineering, and the utilize of multiple currently effective methods to evaluate the model trained on PU data (positive and unlabeled data).

- Python

Large Language Models (LLMs) augmented rating prediction in recommender system
Advised by Prof. SONG Linqi   Summer 2023 – Fall 2023
In this work, we contrasts the performance of multiple recommendation models (NMF, DeepMF, SVD and etc) with LLM (Llama-7b), address the limitation of LLMs in understanding collaborative information by combining their outputs with traditional recommendation models. The work focused on prompt engineering. And through adding features generated by LLM, a llm augmented rating prediction in recommender system was proposed in our work.

- Python, Linux, PyTorch, Llama

Power transformer faults identification based on entropy of vibration signal
Advised by Prof. Wang Bin   Fall 2023 – Present
In this work, we analyzed the vibration signal of power transformer. Composite multiscale slope entropy was utilized in our study as the features of vibration signals. And beetle swarm optimization algorithm was applied to improve the performance of our model.

- Python, Matlab

⚙ Skills

- English test: TOEFL 91 (R28/L23/S19/W21)
- Programming Languages: C, Python, Assembly language (MCS-51)
- Platform: Linux
- Single chip microcomputer (MCS-51): Keil μVision, Proteus, Altium Designer
- Development: AutoCAD, MATLAB, PyTorch

ℹ Miscellaneous

- Homepage: https://servais-ja.github.io/Jiansheng-Wang.github.io/
- GitHub: https://github.com/Servais-Ja
- Languages: English - Fluent, Mandarin - Native speaker