

# JIANSHENG WANG

✉ wjs20020511@163.com · ☎ (+86) 158-3811-9639 ·

## 🎓 EDUCATION

---

**Northwest Agriculture and Forest University (NWAUFU)**, Shaanxi, China 2021 – Present

*Undergraduate (Major)* in Electrical Engineering and Automation

**Northwest Agriculture and Forest University (NWAUFU)**, 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

---

- Programming Languages: C, Python, Assembly language (MCS-51)
- Platform: Linux
- Single chip microcomputer (MCS-51): Keil  $\mu$ Vision, Proteus, Altium Designer
- Development: AutoCAD, MATLAB, PyTorch

## 📄 MISCELLANEOUS

---

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