Feiyu Zhu(朱飞宇)

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Education

B.Eng. *at* **College of Artificial Intelligence**   **Xi'an Jiaotong University**
Honor class of Artificial Intelligence, GPA: 3.65   *2020 - 2024*
Core Courses: Math Foundation of Computer Science and Artificial Intelligence (93); Data Structure and Algorithms (89); Machine Learning (93); Probability Theory and Stochastic Process (86); Computer Vision and Pattern Recognition (93); Natural Language Processing (95); Digital Signal Processing (91)

Qian Xuesen Honors College   **Xi'an Jiaotong University**
Early-Entrance-to-College Program   *2018 - 2020*

Research Interests

I'm interested in exploring the potential of language models on graph learning. Here are several specific topics:
- Language model act as encoder for text-rich graphs
- Language model act as predictor for graph-text pair tasks
- Alignment of GNN and LLMs

Experiences

Research

Internet-wide IPv6 address scanning on seedless Border Gateway Protocol   **Tsinghua University**
Research Assistant   *Sep 2022 - Jul 2023*
- Responsible for model improvement: improving clustering algorithms; comparing the similarity of BGPs by *whois* information using machine learning tools
- Responsible for coding for the improvement of models
- Conducted experiments on distributed servers
- Responsible for writing the model part of the paper
- Improved the proficiency in using the server and code writing

The paper was published on *IEEE/ACM Transactions on Networking*.

Intelligent Complaint Work Order Classification System   **AsiaInfo**
Research Intern   *Jun 2023 - Jul 2023*
- Pre-training BERT and fine-tuning it on classification task
- Developed an efficient complaint work order classification system with Human-In-The-Loop mechanism to alleviate label imbalance problem
- Collaborated with front-end and back-end colleagues to develop the intelligent work order system for customer service personnel

Competition

4th IKCEST "the Belt and Road" International Big Data Competition   *Aug 2022 - Dec 2022*
Group leader
- Improving machine translation performance for low resource language based on Transformer
- Expand and enhance the bilingual corpus provided by the competition
- Won Excellence Prize (2%)

10th National College Students Optoelectronic Design Competition   *Jun 2022 - Jul 2022*
Group member
- Improving the YOLO based underwater object detection system by utilizing polarization fusion images
- Won Provincial Second Prize

Honors and Awards:

2022 MEGVII Scholarship (College of Artificial Intelligence, Xi'an Jiaotong University)
     Advanced Individual in Social Activities (Xi'an Jiaotong University)
2021 The Award of Public Service (Qian Xuesen Honors College, Xi'an Jiaotong University)
2020 Excellent Individual in Publicity (Xi'an Jiaotong University)