Yile Li

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Education

Communication University of China(Project 211) *Sept 2021 – Jun 2025*
BS in Cyberspace Security

- GPA: 3.67/4.0
- **Coursework:** Artificial Intelligence, Advanced Mathematics, Linear Algebra, Reverse Engineering and Software Security

Experience

Large Language Model for Bundle Generation *Aug 2023 - Present*
Multimedia Computing Laboratory Academic Training Season, Communication University of China

- Developed a deep and comprehensive understanding of foundational deep learning techniques through theoretical study and extensive model reproduction.
- Conducted a comprehensive literature review on state-of-the-art recommender systems, focusing on Bundle Generation methods. Selected and replicated baseline models to ensure a solid foundation for further research.
- Developed a Bundle Generation pipeline that integrates GNN's structural-awareness with LLM-enhanced data embeddings to incorporate open-world knowledge, using noise-based training to improve robustness and reduce the impact of low-quality data. Currently refining the model for enhanced performance.

China Enterprise Brand Case Bank *2024*
State Key Laboratory of Media Convergence and Communication, Communication University of China; National Institute of Advertising

- Led front-end and back-end development using Vue.js and Flask.
- Fine-tuned a large model with LoRA methods for its application on brand reputation analysis.
- Conducted preliminary research to develop a brand reputation index using AHP and Entropy Method.
- Collaborated with the National Institute of Advertising, providing technical support for the 2025 China Advertising Great Wall Award.

Digital Museum of Chinese Language and Characters Project *2023*
State Key Laboratory of Media Convergence and Communication, Communication University of China; Key Project of the Ministry of Education

- Contributed to the development of the digital museum platform using Vue.js.
- Implemented the HLS protocol to encrypt streaming video, generating M3U8 index files for secure content transmission.

Publications

Enhancing Copyright Protection Through Blockchain and Ring Signature Algorithm From Lattice   Jian Jiang*, Yulong Gao*, **Yile Li**   Mar 2024
[10.1109/ACCESS.2024.3376385](https://doi.org/10.1109/ACCESS.2024.3376385) ↗

Projects

Integrated Practice in Software Engineering for Vulnerability Exploitation *Jul 2024*

- Developed a secure cloud storage system using Flask, featuring strong password authentication, file encryption, and digital signatures.
- Designed a complete and sole exploitation path based on the cloud storage system for SSTI injection, session forgery, and deserialization vulnerabilities.
- Integrated automated scripts for flag retrieval and verification and implemented Docker-based deployment.

Competition

Interdisciplinary Contest in Modeling 2024, Meritorious Winner
China Collegiate Algorithm Design and Programming Challenge Contest 2024, Bronze Medal
MathorCup Collegiate Mathematical Modeling Challenge 2023, Second Prize
Network Security Track of Blue Bridge Cup Competition 2024, Third Prize
Awards: Merit Student, Outstanding Student Leader, National Encouragement Scholarship, Excellent League Member

Technologies

Languages: Mandarin (Native), English (Proficient)
Technologies: Python, C/C++, JavaScript, PyTorch, TensorFlow, Vue.js, Flask, Node.js