

WEIXUAN DING

wxding.top
(+86) 157 2680 2730
Weixuan.Ding@outlook.com

EDUCATION

Wuhan University , Wuhan, China	September 2022 — June 2026 (<i>Expected</i>)
School of Cyber Science and Engineering	GPA: 3.77/4.00
Bachelor Candidate in Cyberspace Security	89.81/100

SKILLS

Programming Languages	Python, C/C++, SQL, JavaScript, HTML/CSS, LaTeX
Libraries	Pytorch, Pandas, Matplotlib, Numpy, BeautifulSoup, Selenium
Frameworks	Vue, Node.js
Languages	Chinese(Native), English(Proficient)

RESEARCH EXPERIENCE

National College Student Blockchain Plus Application Competition August 2024 - Present
Team Member

- Design TrxLLM, a blockchain transaction risk monitoring system based on Graph Neural Networks (GNN) and Transformer.
- Assist in implementing large-scale models with GNN and Transformer to analyze complex dependencies in blockchain transaction data, improving model generalization and downstream task performance.
- Developed the frontend using Vite and Vue3, creating a user-friendly interface for real-time transaction display, risk evaluation, and transaction monitoring functionalities.

Data Security Lab, Wuhan University March 2024 - June 2024
Undergraduate Research Assistant

- Research on Privacy-Preserving Federated LLMs with Heterogeneous Data Distributions
- Evaluated privacy-preserving techniques in Federated Learning for Large Language Models (LLMs), focusing on differential privacy approaches.
- Assessed the performance of methods such as FedProx, Bounded Local Update Regularization (BLUR), and Adaptive Noise Mechanism (ANDPFL), while exploring potential optimization strategies.

INTERESTS

- **Research Interests:**
Privacy-preserving Machine Learning, Trustworthy AI, LLM, Human-computer Interactions