Jianmin Liu

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Education

Fujian Normal University   **2021/09 - Current**
Master of Cyberspace Security (Network and Communication Security)
I studied under Professor Hui Lin, and my main research areas include intelligent transportation, graph neural networks, multimodal data fusion, spatiotemporal data, and anomaly detection.

Tianjin University of Technology   **2017/09 - 2021/07**
Bachelor of Information Security

Research Experience

- **Research Interest**
  a) Multimodal Data, Anomaly Detection, Graph Neural Networks, and Attention Mechanism；
  b) Deeply mining the spatiotemporal correlation of (vehicle, network) traffic；
  c) Modeling Graph Neural Networks on Non-Euclidean Data；
  d) Smart Contract Vulnerability Detection

- **Academic Achievements**

Paper	Date	Publisher		Author Rank
GSAA: A Novel Graph Spatiotemporal Attention Algorithm for Smart City Traffic Prediction	2023/2	ACM-TOSN)	**CCF-B**	First
A Multi-Modal Spatial-Temporal Model for Accurate Motion Forecasting with Visual Fusion	2023/7	Elsevier Information Fusion	**SCI-1**	Second
A Graph Attention Mechanism-based Trajectory Prediction Method with Map Free	2023/7	Computer Engineering	**CCF-T2**	First

Patent	Date	Type	Author Rank
Blockchain-based secure access solution for medical wearable device data.	2022/12	Invention	Fourth

Internship Experience

- **NSFOCUS Co., Ltd. (Xi'an Research and Development Center)**   **2023/05 - 2023/09**
  a) Fuying Laboratory: Intern Researcher
  Responsible for the collection of network threat intelligence, vulnerability verification, and the generation of rules.
  Specific job responsibilities：
  1.Threat intelligence collection, web scraping (anti-crawling bypass)
  2.Reproducing and validating existing vulnerabilities, writing proof-of-concept (PoC) codes, and developing SNORT anomaly detection rules.
- **Other works**
  a) Teaching Assistant： Computer Network, Computer Network Experiment
  b) Training for Students： CTF（Capture The Flag）

Awards and Honors

- **Academic Awards:**
  - ✓ Second-class Academic Scholarship (Fujian Normal University)   2022
  - ✓ National Inspirational Scholarship (Tianjin University of Technology)   2020
  - ✓ Third-class People's Scholarship (Tianjin University of Technology)   2020
- **Competition Awards:**
  - ✓ National College Student Information Security Competition Innovation Practice Ability Competition-Third prize (East and South China regional competition)   2023
  - ✓ Cross-Strait Information Service Innovation Competition-Second prize (provincial level)   2022
  - ✓ Huawei ICT Competition - Network Track-Third prize (provincial level)   2022
  - ✓ China Industrial Internet Security Competition - Individual Excellence Award (Provincial Level), Fujian Division.   2022
  - ✓ NISA CTF Second prize (school level)   2021
- **Others:**
  - ✓ Production and Research Grand Competition - Third Prize (Internal Enterprise - Vulnerability Exploitation Detection Rule Generation Competition)   2023

About Me

Hello, I am currently a third-year graduate student pursuing a master's degree. I have a passion for exploration, as I believe it is the driving force behind progress. I possess a strong sense of initiative and am not afraid to try new things. I also know how to enjoy life, such as finding relaxation in music and dance, and feeling alive through physical activities. Exploration and living life to the fullest are the essence of my existence. I am currently striving to pursue these passions and hope to have the opportunity to explore interesting and meaningful things with you.