



HAO MA

✉ haoma2772@gmail.com

☎ (+86) 15206636179

🌐 github.com/haoma2772

Python

Matlab

Linux

C/C++

## 🎓 EDUCATION

Shandong University (SDU), Qingdao, China

2021 – Present

*Undergraduate student* in Computer Science and Technology (CS), expected March 2025

## 🔬 RESEARCH INTERESTS

- Federated Learning and Distributed Machine Learning
- Secure and Robust Algorithm Design

## 📄 PUBLICATIONS

- [1] **Hao Ma**, Senmao Qi, Jiayue Yao, Yuan Yuan, Yifei Zou, and Dongxiao Yu. “Fed-NAD: Backdoor Resilient Federated Learning via Neural Attention Distillation”. In: *IEEE International Conference on Intelligent Data and Security (IEEE IDS)*. 2024.
- [2] Senmao Qi, **Hao Ma**, Yifei Zou, Dongxiao Yu, Peng Li, and Xiuzhen Cheng. “A Backdoor Resilient Approach for Federated Edge Learning with Fragment-Sharing”. In: *Journal of Systems Architecture (JSA)* (2024). CCF B.
- [3] Senmao Qi, **Hao Ma**, Yifei Zou, Dongxiao Yu, Peng Li, and Xiuzhen Cheng. “Fragment-sharing is Enough to Backdoor a Giant Model in Federated Learning”. In: *Big Data Mining and Analytics (BDMA)* (2024). JCR Q1.
- [4] Senmao Qi, **Hao Ma**, Yifei Zou, Yuan Yuan, Peng Li, and Dongxiao Yu. “Fed-MS: Fault Tolerant Federated Edge Learning with Multiple Byzantine Servers”. In: *IEEE International Conference on Distributed Computing Systems (IEEE ICDCS)*. CCF B. 2024.

## 📌 MISCELLANEOUS

- **GPA:** 89.54
- **Languages:** IELTS: 6, CET6: 493
- **Member of Computer Elite Class:** Selected for a specialized program for top-performing students in Computer Science.
- **Research Assistant at Institute of Intelligent Computing:** Assisted in developing Intelligent computing theory and technology for future network system.

## 🏆 AWARDS AND HONORS

- Second Class Prize in CUMCM, Shandong Province, 2023.
- Second Class Academic Scholarship of Shandong University, 2022 and 2023.
- National Encouragement Scholarship of Shandong University, 2022 and 2023.
- Second Class Prize in CMC, Shandong Province, 2022.
- Second Class Prize in the CMS, Shandong Province, 2020.