

# Jingmiao Zhang

📍 Hefei, China    ✉ Email@USTC    ✉ Gmail    in LinkedIn    🌐 Webpage

## Education

### University of Science and Technology of China (USTC)

Hefei, China

*B.E. in Information Security*

Sept 2019 – Jun 2023

- GPA: 3.16/4.3, 82.25/100
- Core Courses: Elements of Information Theory, Foundation of Algorithms, Operating System, Compiler Theory, Introduction to Cryptography, Computer Security, Network Security Protocols

### University of Science and Technology of China (USTC)

Hefei, China

*M.E. in Computer Science and Technology*

Sept 2023 – Jun 2026

- GPA: 3.74/4.3, 87.93/100
- Core Courses: Design and Analysis of Algorithms, Advanced Computer Networking, Advanced Database Systems, Edge and Cloud Computing, Introduction to Combinations, Computational Number Theory
- Advisor: [Prof. Xiang-Yang Li](#), Dean of the School of Computer Science, USTC; ACM Fellow, IEEE Fellow
- Research Interests: Security and Privacy in IoT Systems and Machine Learning

## Publications

1. **SpeechGuard: Recoverable and Customizable Speech Privacy Protection.** [\[Paper\]](#)  
*Jingmiao Zhang*, Suyuan Liu, Jiahui Hou, Zhiqiang Wang, Haikuo Yu, Xiang-Yang Li.  
In *The 33th USENIX Security Symposium*, 2024.
2. **Task-Oriented Training Data Privacy Protection for Cloud-based Model Training.** [\[Paper\]](#)  
Zhiqiang Wang, Jiahui Hou, Haifeng Sun, *Jingmiao Zhang*, Yunhao Yao, Haikuo Yu, Xiang-Yang Li.  
In *The 33th USENIX Security Symposium*, 2024.
3. **AMoS: Autonomous Multimodal POI Standardization without Extra Annotation.**  
Suyuan Liu, *Jingmiao Zhang*, Haikuo Yu, Yan Zhang, Yuetian Wang, Guobin Shen, Xiang-Yang Li.  
In *IEEE International Conference on Computer Communications (INFOCOM)*, 2025.

## Experience

### Summer Workshop Participant

Online

*National University of Singapore*

May 2022 – Jul 2022

- Attended lectures on simulation, security, big data, and cloud computing.
- Contributed as part of a four-member team to complete a practical project and course paper.

### Algorithm Engineer Intern

Hefei, China

*NIO Inc.*

Sept 2023 – Mar 2024

- Designed a privacy protection solution for speech data generated in in-cabin and after-sales services.
- Enabled decryption of protected data for specific information based on user or task permissions.

### Algorithm Engineer Intern

Hefei, China

*Huawei Technologies Co., Ltd.*

Jul 2024 – Oct 2024

- Simulated full and incremental EC (Erasure Coding) workflows for distributed SSU modeling.
- Designed algorithms for IO aggregation and cost comparison between EC modes, improving storage efficiency.
- Implemented hot stripe simulation and load-balanced EC disk scheduling strategies.

## Honors

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- Outstanding Student Scholarship, USTC Sept 2021
- Gold Medal, International Genetically Engineered Machine Competition (iGEM) Nov 2021
- Meritorious Winner, Mathematical Contest in Modeling (MCM), USA Feb 2022
- Longfor Scholarship, USTC & Longfor Properties Co., Ltd. Sept 2022
- First-class Academic Scholarship, USTC Sept 2023
- **National Scholarship (top 0.2% in China)**, Ministry of Education, China Oct 2024
- Second Prize, Ubiquitous Intelligent Sensing Technology Innovation Application Competition Nov 2024

## Service

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### Deputy Director of Publicity Department

USTC

*Youth Volunteer Association*

*Sept 2020 – Jul 2021*

- Managed the official WeChat account “USTC Youth Volunteer Association”.
- Organized promotional activities and received the “One-Star Volunteer” award.

### Vice President

USTC

*Youth Volunteer Association*

*Sept 2021 – Jul 2022*

- Led the rural outreach program of the association, earning the Outstanding Team Award, Outstanding Individual Award, and Best Research Report Award.
- Organized regular volunteering activities and received the “Two-Star Volunteer” award.

### Teaching Assistant

USTC

*Computer Security*

*Mar 2023 – Jun 2023*

### Teaching Assistant

USTC

*Fundamentals of Algorithms*

*Sept 2024 – Jan 2025*

## Skills

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- **Programming languages:** Python, C/C++, MATLAB, Java, Swift
- **Web Technologies:** HTML, CSS, JavaScript
- **Deep Learning Tools:** PyTorch, Tensorflow
- **Miscellaneous:** MySQL, Linux, Git, LaTeX, Markdown

## Hobbies

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Minesweeper, Reading, Traveling, Badminton