

Shuaiqi Wang

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Education

Carnegie Mellon University

Pittsburgh, PA, USA

Jan. 2021 - Dec. 2025 (expected)

- Ph.D. Student, Dept. of Electrical and Computer Engineering
- Advisor: Giulia Fanti

Shanghai Jiao Tong University (SJTU)

Shanghai, China

Sep. 2016 - Jun. 2020

- Bachelor of Engineering, Dept. of Computer Science
- Zhiyuan Honors Program of Engineering (Top 5%)
- GPA: 92.1/100

Experience

Microsoft (Research Intern)

Pittsburgh, PA, USA

Sep. 2024 - present

- Host: Zinan Lin, Longqi Yang
- Topic: private evolution for document synthesis

Amazon (Research Intern)

San Diego, CA, USA

Jun. 2024 - Aug. 2024

- Host: Alireza Mehrtash
- Topic: adversarial attack on vision language models

JPMorgan Chase (AI Research Intern)

New York, NY, USA

Jun. 2023 - Aug. 2023

- Host: Mohsen Ghassemi
- Topic: privacy protection across multiple summary statistical properties

Research Interests

Theoretical foundations of machine learning, and the applications in privacy, security, federated learning and data sharing.

Publications

- **Shuaiqi Wang**, Shuran Zheng, Zinan Lin, Giulia Fanti and Zhiwei Steven Wu. “Inferentially-Private Private Information”, in *arXiv preprint arXiv:2410.17095*.
- **Shuaiqi Wang**, Zinan Lin and Giulia Fanti. “Statistic Maximal Leakage”, in *ISIT 2024*.
- **Shuaiqi Wang**, Rongzhe Wei, Mohsen Ghassemi, Eleonora Kreacic and Vamsi Potluru. “Guarding Multiple Secrets: Enhanced Summary Statistic Privacy for Data Sharing”, in *ICLR 2024 PML Workshop*.
- Xinyi Xu, **Shuaiqi Wang**, Chuan-Sheng Foo, Bryan Kian Hsiang Low and Giulia Fanti. “Data Distribution Valuation with Incentive Compatibility”, in *NeurIPS 2024*.
- **Shuaiqi Wang***, Zinan Lin*, Vyas Sekar and Giulia Fanti. “Summary Statistic Privacy in Data Sharing”, in *IEEE Journal on Selected Areas in Information Theory (JSAIT)* (2024).
* Equal contribution.
- Ronghao Ni, Zinan Lin, **Shuaiqi Wang** and Giulia Fanti. “Mixture-of-Linear-Experts for Long-term Time Series Forecasting”, in *AISTATS 2024*.
- **Shuaiqi Wang**, Jonathan Hayase, Giulia Fanti and Sewoong Oh. “Towards a Defense Against Federated Backdoor Attacks Under Continuous Training”, in *Transactions on Machine Learning Research (TMLR)* (2023).

- Benjie Miao, **Shuaiqi Wang**, Luoyi Fu and Xiaojun Lin. “De-anonymizability of Social Network: Through the Lens of Symmetry”, in *MobiHoc 2020*.
- Luoyi Fu, Jiapeng Zhang, **Shuaiqi Wang**, Xinyu Wu, Xinbing Wang and Guihai Chen. “De-anonymizing social networks with overlapping community structure”, in *IEEE/ACM Transactions on Networking* 28.1 (2020): 360-375.
- Xudong Wu, Luoyi Fu, **Shuaiqi Wang**, Bo Jiang, Xinbing Wang and Guihai Chen. “Collective Influence Maximization in Mobile Social Networks” in *IEEE Transactions on Mobile Computing* (2021).

Honors and Awards

- Carnegie Institute of Technology Dean’s Fellow 2021
- Zhiyuan Distinguish Scholarship (Top 1%) 2020
- Zhiyuan College Honors Scholarship (Top 5%) 2017, 2018, 2019
- Academic Excellence Scholarship 2017, 2018, 2019
- First Prize in China Undergraduate Computer Design Competition (Top 5%) 2019

Talks and Interviews

Statistic Maximal Leakage

- GCoM Lab in Georgia Tech Oct. 2024
- SIAM MDS 2024 Oct. 2024
- CyLab Partners Conference 2024 Sep. 2024
- Interview by NiklasOPF [*talk video*] Aug. 2024
- ISIT 2024 Aug. 2024

Services

I am serving as a reviewer/PC member for:

- Conference on Neural Information Processing Systems (NeurIPS) 2021, 2022, 2023, 2024
- International Conference on Learning Representations (ICLR) 2024, 2025
- International Conference on Machine Learning (ICML) 2022
- Artificial Intelligence and Statistics (AISTATS) 2024, 2025
- The Web Conference 2025
- ICAIF Workshop on Synthetic Data for AI in Finance 2024
- NeurIPS SyntheticData4ML Workshope 2022
- Transactions on Machine Learning Research
- IEEE/ACM Transactions on Networking
- IEEE Transactions on Information Forensics and Security

Teaching Assistant

CMU 18734: Foundations of Privacy Pittsburgh, PA, USA
Instructor: Steven Wu Fall 2021

CMU 18752: Estimation, Detection and Learning Pittsburgh, PA, USA
Instructor: Rohit Negi Spring 2024

Coding

C, C++, Python, Java, MATLAB, Mathematica, \LaTeX , etc.