
Tianshi Xu

🏠 Peking University, Beijing 100871, China

📞 Mobile phone: (+86) 15359731901 📧 E-mail: tianshixu@stu.pku.edu.cn 🔗 [Website](#)

Education

Peking University, Beijing

Sept 2023 - Present

- Second-Year PhD Student, Advised by Professor [Meng Li](#)
- Research Interests: Privacy-Preserving Artificial Intelligence, Efficient and Private NN Inference

Beihang University, Beijing

Sept 2019 – June 2023

- Bachelor of Engineering, Software Engineering
- GPA: 3.98/4.00 Rank: **1/189**

Selected Publications

Tianshi Xu, Lemeng Wu, Runsheng Wang, Meng Li (2024). PrivCirNet: Efficient Private Inference via Block Circulant Transformation. **NeurIPS 2024**.

Tianshi Xu, Shuzhang Zhong, Wenxuan Zeng, Runsheng Wang, Meng Li. PrivQuant: Communication-Efficient Private Inference with Quantized Network/Protocol Co-Optimization. 2024 IEEE/ACM International Conference on Computer-Aided Design (**ICCAD 2024**)

Chenqi Lin*, **Tianshi Xu***, Zebin Yang*, Runsheng Wang, Ru Huang, Meng Li (*Co-first author). FastQuery: Communication-efficient Embedding Table Query for Private LLM Inference. 2024 IEEE/ACM Design Automation Conference (**DAC 2024**)

Tianshi Xu, Meng Li, Runsheng Wang, and Ru Huang. Falcon: Accelerating homomorphically encrypted convolutions for efficient private mobile network inference. 2023 IEEE/ACM International Conference on Computer-Aided Design (**ICCAD 2023**)

Selected Honors and Awards

2024. Excellent Research Award, Peking University

2022. National Scholarship (Top 1/189)

2023. Outstanding Graduates in Beijing (Top 5% in all graduates in Beijing)

2023. Merit Student in Beijing (Top 2/189)

2023. Youth May Fourth Medal Nomination Award (Top 20 in all 3815 undergraduates)

2022. Shen Yuan Medal Nomination Award (Top 20 in all 3815 undergraduates)

2021. Samsung Scholarship (Top 11 in all 3815 undergraduates)

Competition Experience

2020-2021 **National College Mathematics Competition** **First Prize**

2021-2022 **National College Mathematics Competition** **First Prize**