

# YE ZHENG

Ph.D. candidate in Computer Science, Rochester Institute of Technology (RIT)

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## EDUCATION

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**Rochester Institute of Technology** (Rochester, USA)

Sep 2023 – Present

- Ph.D. candidate in Computer Science, advised by Dr. Yidan Hu
- Research Topics: Differential Privacy (Randomized Algorithms)

**Shenzhen University** (Shenzhen, China)

Sep 2020 – Jun 2023

- M.S. in Software Engineering, advised by Dr. Jiaxiang Liu
- Research Topics: Neural Network Verification (Formal Methods)

**Henan University** (Kaifeng, China)

Sep 2016 – Jun 2020

- B.S. in Mathematics, advised by Prof. Zhonghua Wang
- Major: Pure Mathematics

## PUBLICATIONS (1st-author then co-author)

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1. **[PETS'25]** Locally Differentially Private Frequency Estimation via Joint Randomized Response  
Ye Zheng, Shafizur Rahman Seeam, Yidan Hu, Rui Zhang, and Yanchao Zhang
2. **[FSE'22 Demonstration track]** MpBP: Verifying Robustness of Neural Networks with Multi-path Bound Propagation  
Ye Zheng, Jiaxiang Liu, and Xiaomu Shi
3. **[JOS'22]** Multi-path Back-propagation Method for Neural Network Verification (recommended to IJSI'22)  
Ye Zheng, Xiaomu Shi, and Jiaxiang Liu
4. **[CNS'24]** Multi-sensor Data Privacy Protection with Adaptive Privacy Budget for IoT Systems  
Xinyi Liu, Ye Zheng, Zhengxiong Li, and Yidan Hu
5. **[SAS'23]** Boosting Multi-neuron Convex Relaxation for Neural Network Verification  
Xuezhou Tang, Ye Zheng, and Jiaxiang Liu

## SELECTED AWARDS

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**Outstanding Graduate**, Shenzhen University

Jun 2023

**National Scholarship**, Ministry of Education, China

Sep 2022

## ACADEMIC SERVICES

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**Reviewer:** TASE'23 (Theoretical Aspects of Software Engineering), and SAS'24 (Static Analysis Symposium)