

Ganxiang Yang

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Education

Columbia University

Ph.D. in Computer Science

- Advisor: Prof. Ronghui Gu.

08/2024 – Est. 06/2029

New York, NY, USA

Shanghai Jiao Tong University

B.Eng. in Computer Science and Technology (Zhiyuan Honors Program)

- Member of ACM Class, an elite CS program for top 5% talented students in SJTU

09/2020 – 06/2024

Shanghai, China

Research Interests

Computer systems, formal verification.

Publications

A Formal Approach to Multi-Layered Privileges for Enclaves

Ganxiang Yang, Chenyang Liu, Zhen Huang, Guoxing Chen, Hongfei Fu, Yuanyuan Zhang, Haojin Zhu

NDSS 2025

ShadowBound: Efficient Memory Protection Through Advanced Metadata Management and Customized Compiler Optimization

Zheng Yu, Ganxiang Yang, Xinyu Xing

USENIX Security 2024

Research Experiences

Columbia University

Research Assistant, advised by Prof. Ronghui Gu

Research Topic: Scalable formal verification on systems.

08/2024 – Est. 06/2029

New York, NY, USA

Northwestern University

Research Assistant, advised by Prof. Xinyu Xing

Research Topic: System program analysis design, development, and optimization.

02/2023 – 12/2023

Evanston, IL, USA

NSEC Lab, Shanghai Jiao Tong University

Research Assistant, advised by Prof. Guoxing Chen

Research Topic: Design and verification of new service framework for Trusted Execution Environment.

07/2022 – 06/2023

Shanghai, China

Professional Service

Member of Artifact Evaluation Committee of **Eurosys'25**, **USENIX Security'25**.

Teaching

Operating System (CS2952-02)

Teaching Assistant at Shanghai Jiao Tong University

Spring 2023

Lecturer: A, Liang

Computer Architecture (CS2952-01)

Teaching Assistant at Shanghai Jiao Tong University

Fall 2022

Lecturer: A, Liang

Honors & Awards

Outstanding Graduates, Shanghai Jiao Tong University

2024

Skills

- **TOEFL: 107** (Reading:29, Listening:30, Speaking:23, Writing:25)
- **Programming Languages:** C, C++, Coq, Java, Python, Verilog, Boogie, RISC-V Assembly, Bash, Go, SQL