

Mingxue Zhang

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🏠 <https://zhangmx1997.github.io>

RESEARCH INTERESTS

Web Security, Software Security

PROFESSIONAL EXPERIENCE

Assistant Professor

Nov. 2022 – Present

School of Cyber Science and Technology, Zhejiang University

EDUCATION

The Chinese University of Hong Kong

Aug. 2018 – Jul. 2022

Ph.D. in Computer Science and Engineering

Advised by Prof. Wei Meng

Wuhan University

Sep. 2014 – Jun. 2018

B.Eng in Computer Science and Technology (*Hongyi Talent Class*)

GPA: **3.89 / 4.0**, ranked **no. 1** in School of Computer Science

PUBLICATIONS

1. FuzzCache: Optimizing Web Application Fuzzing Through Software-Based Data Cache.

Penghui Li, Mingxue Zhang* (Corresponding Author).

To appear in Proceedings of The 31st ACM Conference on Computer and Communications Security (CCS).

2. Holistic Concolic Execution for Dynamic Web Applications via Symbolic Interpreter Analysis.

Penghui Li, Wei Meng, Mingxue Zhang, Chenlin Wang, and Changhua Luo.

To appear in Proceedings of 45th IEEE Symposium on Security and Privacy (S&P).

3. CSChecker: Revisiting GDPR and CCPA Compliance of Cookie Banners on the Web.

Mingxue Zhang, Wei Meng, You Zhou, and Kui Ren.

To appear in Proceedings of 46th International Conference on Software Engineering (ICSE), April 2024.

4. JSISOLATE: Lightweight In-Browser JavaScript Isolation.

Mingxue Zhang and Wei Meng.

In proceedings of the 29th ACM Joint European Software Engineering Conference and on the Foundations of Software Engineering (ESEC/FSE), Athens, Greece, August 2021.

5. Revealers: Detecting and Exploiting Regular Expression Denial-of-Service Vulnerabilities.

Yinxi Liu, Mingxue Zhang, and Wei Meng.

In proceedings of the 42nd IEEE Symposium on Security and Privacy (S&P), San Francisco, CA, May 2021.

6. Detecting and Understanding JavaScript Global Identifier Conflicts on the Web.

Mingxue Zhang and Wei Meng.

In proceedings of the 28th ACM Joint European Software Engineering Conference and on the Foundations of Software Engineering (ESEC/FSE), Sacramento, CA, November 2020.

7. MineThrottle: Defending against Wasm In-Browser Cryptojacking.

Weikang Bian, Wei Meng, and Mingxue Zhang.

In proceedings of the Web Conference 2020 (WWW), Taipei, Taiwan, April 2020.

8. Poster: Finding JavaScript Name Conflicts on the Web.

Mingxue Zhang, Wei Meng, and Yi Wang.

In proceedings of the 26th ACM Conference on Computer and Communications Security (CCS), London, UK, November 2019.

9. All Your Clicks Belong to Me: Investigating Click Interception on the Web.

Mingxue Zhang, Wei Meng, Sangho Lee, Byoungyoung Lee, and Xinyu Xing.

In proceedings of the 28th USENIX Security Symposium (Security), Santa Clara, CA, August 2019.

10. InstantCryptoGram: Secure Image Retrieval Service.

Minghui Li, Mingxue Zhang, Qian Wang, Sherman S. M. Chow, Minxin Du, Yanjiao Chen, and Chenliang Li.

In proceedings of the IEEE Conference on Computer Communications (INFOCOM), Honolulu, HI, April 2018

PATENT

1. A Real-time Communication Method for Smartphone based on Hidden Acoustical Signal.

Qian Wang, Man Zhou, Mingxue Zhang, and Xiuying Chen.

CN106161785B, SIPO (The State Intellectual Property Office of The People's Republic of China), 2019

SELECTED HONORS AND AWARDS

Qizhen Outstanding Young Scholar	2023 – 2026
Zhejiang University	
CUHK Postgraduate Studentship	2018 – 2022
The Chinese University of Hong Kong	
Outstanding Graduate of School of Computer Science	Jul. 2018
Wuhan University	
National Scholarship	Nov. 2017
The Ministry of education of China	
First-class Scholarship of Hongyi Talent Class	Sep. 2015
Wuhan University	

SERVICES

Journal Reviewer

- Empirical Software Engineering
- Transactions on Networking

Program Committee Member

- ACM SIGSOFT Symposium on the Foundation of Software Engineering/ European Software Engineering Conference (ESEC/FSE) 2023
- International Symposium on Software Testing and Analysis (ISSTA) 2024
- IEEE/ACM International Conference on Software Engineering (ICSE) 2025
- SecWeb Workshop 2024

Teaching

ZJU

- Software Security Spring 2024
- Introduction to Cyberspace Security Spring 2024

External Reviewer

- The Web Conference (WWW) 2020, 2021, 2022
- The ACM Asia Conference on Computer and Communications Security (AsiaCCS) 2021, 2022
- The ACM Conference on Computer and Communications Security (CCS) 2021

Teaching Assistant

CUHK

- ENGG5015 Computer and Network Security 2019, 2021
- CSCI3170 Introduction to Database Systems 2020
- CSCI4140 Open-Source Software Project Development 2018, 2019
- ENGG1110A Problem Solving by Programming 2018