

# Mingxue Zhang

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🏠 <https://zhangmx1997.github.io>

## RESEARCH INTERESTS

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Web Security, Software Security

## PROFESSIONAL EXPERIENCE

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**Assistant Professor**

Nov. 2022 – Present

School of Cyber Science and Technology, Zhejiang University

## EDUCATION

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**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

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**1. 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 (SP).*

**2. 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.*

**3. 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.*

**4. 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.*

**5. 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.*

**6. 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.*

**7. 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.*

**8. 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.*

**9. 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*

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**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

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**SELECTED HONORS AND AWARDS**

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

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**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

### **Teaching**

- Software Security (ZJU) Spring 2024
- Introduction to Cyberspace Security (ZJU) 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