

Chaopeng Dong

PHD STUDENT · CYBER SECURITY

19 Shucun Road, Information Engineering Research Institute, Beijing, China

✉ dongchaopeng@iie.ac.cn

Education

Institute of Information Engineering, Chinese Academy of Sciences

Beijing, China

PH.D IN CYBER SECURITY

2019.9 - Now

- Research: Software supply chain security, Vulnerability detection, IoT & Binary security

College of Computer Science, Sichuan University

Sichuan, China

B.ENG. IN COMPUTER SCIENCE

2015.9 - 2019.6

- GPA 3.77/4.0

Professional Skills

Language Python, C/C++,

Tech. Binary Code Similarity Detection, Deep Learning, Data Analysis,

Tool IDA Pro, Angr, Binwalk, Pytorch,

Publications

PUBLISHED

Chaopeng Dong, Siyuan Li, Shouguo Yang, Yang Xiao, Yongpan Wang, Hong Li, Zhi Li, Limin Sun. 2024. LibvDiff: Library Version Difference Guided OSS Version Identification in Binaries. International Conference on Software Engineering (ICSE).

Shouguo Yang*, **Chaopeng Dong***, Yang Xiao, Yiran Cheng, Zhiqiang Shi, Zhi Li, Limin Sun. 2023. Asteria-Pro: Enhancing Deep-Learning Based Binary Code Similarity Detection by Incorporating Domain Knowledge. ACM Transactions on Software Engineering and Methodology (ToSEM).

Siyuan Li, Yongpan Wang, **Chaopeng Dong**, Shouguo Yang, Hong Li, Hao Sun, Zhe Lang, Zuxin Chen, Weijie Wang, Hong-song Zhu, Limin Sun. 2023. LibAM: An Area Matching Framework for Detecting Third-party Libraries in Binaries. ACM Transactions on Software Engineering and Methodology (ToSEM).

Awards, Fellowships, & Grants

2022.12 **First Prize in IoT Security Track, Datacon**, Qi'anxin Group & Tsinghua University *CNY 30,000*

2021.12 **Second Prize in Software Supply Chain and IoT Security Track, Datacon**, Qi'anxin Group & Tsinghua University *CNY 30,000*

2018.4 **Honorable Mentioned in Mathematical Contest In Modeling, MCM/ICM**, Insitute of mathematics & its applications

2018.11 **China National Scholarship**, Chinese Central Government *CNY 8000*

2017.11 **First Prize in the 9th National College Student Mathematics Competition**, Chinese Mathematical Society (CMS)

2016.11 **First Prize in the 8th National College Student Mathematics Competition**, Chinese Mathematical Society (CMS)

2016.11 **China National Scholarship**, Chinese Central Government *CNY 8000*