

Jiahao Yu

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Education

Northwestern University

Ph.D., Computer Science

- Advisor: Prof. Xinyu Xing

Evanston, United States

Sep. 2021 – Now

Shanghai Jiao Tong University

B.S., School of Electronic Information and Electrical Engineering

- Advisor: Prof. Haojin Zhu; Prof. Liyao Xiang

Shanghai, China

Sep. 2017 – July 2021

Research Interests

My research interests lie primarily in secure machine learning and reinforcement learning.

Publications

AIRS: Explanation for Deep Reinforcement Learning based Security Applications

- Jiahao Yu, Wenbo Guo, Qi Qin, Gang Wang, Ting Wang, Xinyu Xing
- Accepted in USENIX2023

Matrix Gaussian Mechanism for Differentially-Private Learning

- Jungang Yang, Liyao Xiang, Jiahao Yu, Xinbing Wang, Bin Guo, Bin Guo, Zhetao Li, Baochun Li
- Accepted in IEEE Transactions on Mobile Computing2021

Voiceprint Mimicry Attack Towards Speaker Verification System in Smart Home

- Lei Zhang, Yan Meng, Jiahao Yu, Chong Xiang, Brandon Folk, Haojin Zhu
- Accepted in INFOCOM2020

Working Experiences

Adversarial Attack against PowerShell Malware Detector

MSRA

- Advisor: Dr. Bin Zhu

Beijing, China

Aug. 2020 – Mar. 2021