

Syue Siang Su

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“Code is pure and neutral, but it reflects what a programmer is.”

Education

National Chiao Tung University

MASTER OF COMPUTER SCIENCE

- Master's thesis: Exploiting SQL Injection with Semantic Polymorphism

Hsinchu, Taiwan

Jul. 2016 – Jul. 2018

National Sun Yat-sen University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- GPA: 3.81/4.3
- Honors: Early graduation base on academic excellence. Dean's honor List
- Teamwork: Collaborated with another teammate in researching web fuzzers' efficiency and effectiveness

Kaohsiung, Taiwan

Sep. 2012 – Jan. 2016

Work & Leader Experience

CyCraft Technology Corp

SECURITY RESEARCH MANAGER

- Do security research and publish new findings in conferences
- Track down campaigns and hackers behind through deep investigation and analyses
- Collect and reverse malware samples to find artifacts or suspicious actions that can be detected in an environment
- Lead a team working on a new security product to better unveil vulnerabilities and misconfigured settings of cyber assets

New Taipei, Taiwan

Apr. 2020 – Present

Taiwan Semiconductor Manufacturing Company

INFORMATION TECHNOLOGY SECURITY, ENGINEER

- Handle events and taking actions in the Cyber Incident Response Center
- Study advisories and design protection / detection rules on relevant products
- Conduct and Review security items after the evaluation of Read Team

Hsinchu, Taiwan

Jan. 2019 – Mar. 2020

Extracurricular Activity

HITCON Training 2024

LECTURER OF "WEB HACKING FROM 2.0 TO 3.0"

- Lecture attendees on both fundamental and advanced web security
- Lecture attendees on blockchain and web3 security

Taipei, Taiwan

Jul. 17th 2024 - Jul. 19th 2024

HITCON X NICS

LECTURER OF "ADVANCED WEB SECURITY"

- Lecture attendees on advanced web security

Taipei, Taiwan

Oct. 21st 2023 - Oct. 22nd 2023

HITCON X NICS

LECTURER OF "FUNDAMENTAL WEB SECURITY"

- Lecture attendees on fundamental web security

Taipei, Taiwan

Jul. 22nd 2023

CCoE Taipei 2022

LECTURER OF "ADVANCED WEB SECURITY & HANDS-ON WEB PENTEST"

- Give attendees some hands-on practices regarding the OWASP TOP 10 2021 and guide them step-by-step
- Give attendees more hands-on practices regarding recent novel attacks and techniques

Taipei, Taiwan

Jul. 9th 2022 - Jul. 10th 2022

Honors & Awards

INTERNATIONAL

2017 **Finalist**, SECCON CTF 2016 Final
2016 **Finalist & HITCON Taiwan Star Award**, HITCON CTF 2016 Final

Tokyo, Japan
Taipei, Taiwan

DOMESTIC

2019 **First place**, HITCON Defense
2016 **Finalist & Third place**, Taiwan IT Security Golden shield Competition Final
2015 **Finalist**, Taiwan IT Security Golden shield Competition Final
2014 **4th Place**, F-Secure Taiwan IT Security Competition

Taipei, Taiwan
Taipei, Taiwan
Taipei, Taiwan
Taipei, Taiwan

Presentation

FIRST Cyber Threat Intelligence Conference 2024

Berlin

PRESENTER FOR <SOURCE POLLUTION ATTACK - A HIDDEN THREAT IN CYBERSECURITY>

Apr. 17th 2024

- Discuss the risk of source pollution increases. If any source is susceptible to manipulation, a successful modification will perhaps lead to information confusion, unwanted downloads, or even catastrophic security events such as DoS attack (faked GeolP) and arbitrary code execution

OWASP 2023 Global AppSec Dublin

Ireland

PRESENTER FOR <CONSTRUCTING A PRECISE DYNAMIC CONTROL-FLOW GRAPH FOR EVM BASED SMART

Feb. 16th 2023

CONTRACTS>

- Give basics of Blockchain's security pertaining to both front-end and back-end parts, such as DApps and smart contracts
- Demonstrate how we can leverage the full-functional, working EVM implementation to construct a precise CFG, and use it to do reverse engineering upon EVM-based smart contracts step by step

VXCON 2022

Virtual

PRESENTER FOR <AD ATTACK PATHS DEMYSTIFICATION>

Aug. 27th 2022

- Share what we've learned from cases we involved and handled from small business to large company pertaining to AD mis-configurations and operations
- Discuss what could a blue team do to approach the security posture managers want with audience, and share what and how we do as an AI-focused security company

NCA Annual Conference 2021

Japan

PRESENTER FOR <THE BALANCE BETWEEN ACTIVE DIRECTORY OPERATION & SECURITY IN ENTERPRISES>

Dec. 18th 2021

- Talk about AD operation mistakes that are prevalent in enterprises, and how cybercriminals take advantage of these weak points to infiltrate different zones of corporates and debunk some myths regarding AD

CYBERSEC 2021

Taipei, Taiwan

PRESENTER FOR <LET ME GOOGLE IT FOR YOU - SECURITY CONCERNS IN DECENTRALIZED FINANCE (DeFi)>

May. 6th 2021

- Talk about the basics of blockchain security, known threats you need to avoid, and the emerging threats we all need to look out for
- Introduce tools and websites that audiences can use to do some simple audits

H@ctivitycon, HITCON 2020, ROOTCON 14

USA, Taiwan, Philippines

PRESENTER FOR <DISCOVER VULNERABILITIES WITH CODEQL>

2020

- Introduce CodeQL and its practical functionality along with some case-studies and 1-days that were successfully found against common CMS by leveraging CodeQL's powerful static/taint analysis
- Finding vulnerabilities in a large codebase with the help of CodeQL

AVTokyo 2018, OWASP Global AppSec - DC 2019, ROOTCON 13

Japan, USA, Philippines

PRESENTER FOR <FAREWELL, WAF - EXPLOITING SQL INJECTION FROM MUTATION TO POLYMORPHISM>

2018, 2019

- Introduce a promising direction of automatically generating SQL Injection attacks with Polymorphism
- Present some case studies and bypasses for the ModSecurity latest version (v3.1) alongside our demonstrations and explain why common detection cannot help in this place as well

OSCON 2018

Portland, Or, USA

PRESENTER OF <BEST PRACTICES FOR CROSS-PLATFORM DESKTOP APPS WITH VUE.JS AND ELECTRON>

Jul. 18th 2018

- Building cross-platform desktop applications with Vue.js is fairly straightforward, since Vue.js plays really well with Electron. Learn how, as Syue Siang Su walks you through making a minimal browser-like application, from ideation to deployment.

AVTokyo 2017

Tokyo, Japan

PRESENTER OF <THE AMAZING TOOLMAN - MASTERING THE TOOLS AND PROPOSE A HACKABLE "SWISS ARMY KNIFE"

Nov. 11th 2017

SECURITY FRAMEWORK FOR THE 21ST CENTURY>

- Introduce some handy and useful tools and give audiences some best practices about them
- Propose a hackable "Swiss Army Knife" security framework, which can be used in conjunction with existing tools like Burp, Docker, etc, and also a plenty of web extensions you often used on Chrome and Firefox