

# Syue Siang Su

✉ qazbnm456@gmail.com | 📧 qazbnm456 | 🌐 syue-siang-su-a2a1098b

“Code is meant to be born to be pretty.”

## Education

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### National Chiao Tung University

CANDIDATE FOR MASTER OF COMPUTER SCIENCE

*Hsinchu, Taiwan*

*Expected Jul. 2016 – Jul. 2018*

### National Sun Yat-sen University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

*Kaohsiung, Taiwan*

*Sep. 2012 – Jan. 2016*

- 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

## Work & Leader Experience

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### The Declaration of Hacker

BACKEND WEB DEVELOPER, IT

*Taipei, Taiwan*

*Jul. 2015 – Present*

- Study and learning new attacking vectors and try to reproduce some CVEs
- Develop a wargame platform and introduce Docker as a primary DevOps solution
- Constructing a wargame platform built on top of Rails framework, and utilizing Docker to provide players environments with fast-starting and isolated features
- With Rancher's multi-tenant Container-as-a-service solution, Docker-War can really easy to set up, and bringing itself more accessible through Docker API

### Infosec study group

ORGANIZER

*Kaohsiung, Taiwan*

*Jul. 2015 – Present*

- Organized interested individuals to share their workings and studies
- Recruited over 20 members to club with hosting a small CTF contest
- Organized contests, speaker events and community events
- Collaborated with Professors to provide them resources

### National Sun Yat-sen University

FREELANCE PENETRATION TESTER

*Kaohsiung, Taiwan*

*Dec. 2013 - Jan. 2015*

- Conducted penetration testing on web pages of university.
- Collected and reported to the staffs

## Extracurricular Activity

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### HITCON Winter Training 2017

LECTURER OF ADVANCED WEB SECURITY & HANDS-ON WEB PENTEST

*Taipei, Taiwan*

*Dec. 5th 2017 - Dec. 6th 2017*

- Lecture advanced concepts of web security
- Give attendees some hands-on practices regarding the OWASP TOP 10 2013 and guide them step-by-step
- Give attendees more hands-on practices regarding recent novel attacks and techniques

### HITCON Winter Training 2017

LECTURER OF BROWSER FRONT-END EXPLOITATION

*Taipei, Taiwan*

*Dec. 4th 2017*

- Lecture concepts of browser & web security
- Give attendees some hands-on practices and guide them step-by-step
- Inspect some implementation parts of a browser and play with it

## National Center for Cyber Security Technology

Taipei, Taiwan

LECTURER OF WEB SECURITY FOUR-DAY WORKSHOP

Sep. 22th 2017 - Sep. 25th 2017

- Lecture concepts and advanced skills of web security
- Give attendees hands-on practices during the workshop and hold a four-hour competition on the last day
- The practices were generated by my small project called VWGen (Vulnerable Web Application Generator)

## HITCON Training 2016

Taipei, Taiwan

LECTURER OF WEB SECURITY BASIC & ADVANCED

Nov. 28th 2016 - Nov. 30th 2016

- Lecture concepts of web security
- Give attendees some hands-on practices and guide them step-by-step
- The practices were generated by my small project called VWGen (Vulnerable Web Application Generator)

## Bamboofox

Hsinchu, Taiwan

MEMBER

June. 2016 - Present

- Gained expertise in hacking & security areas, especially about web security & internal of operating system based on UNIX and several exploit techniques, such as bof, heap overflow, and etc
- Participated on several CTF competitions such as Trend CTF, HITCON CTF, and etc
- Periodically give new members a lecture

## NTU Hackathon

Taipei, Taiwan

PARTICIPANT

Aug. 2015

- Built an advanced Google Maps application that shows users not only the routes they specified, but also a series of images along the routes with some modifications of Hyperlapse.js

# Honors & Awards

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## INTERNATIONAL

2017 **Finalist**, SECCON CTF 2016 Final

Tokyo, Japan

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

Taipei, Taiwan

## DOMESTIC

2016 **Finalist & Third place**, Taiwan IT Security Golden shield Competition Final

Taipei, Taiwan

2015 **Finalist**, Taiwan IT Security Golden shield Competition Final

Taipei, Taiwan

2014 **4th Place**, F-Secure Taiwan IT Security Competition

Taipei, Taiwan

# Presentation

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## OSCON 2018

Portland, Or, USA

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

Nov. 11th 2017

KNIFE" 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

## Modern Web 2017

Taipei, Taiwan

PRESENTER FOR <VUE.JS + ELECTRON, BUILD YOURSELF A BROWSER!>

Aug. 10th 2017 - Aug. 11th 2017

- Introduce what Vue.js and Electron are in the first half talk, and then give attendees a concrete demonstration about how to use Vue.js and Electron to build a browser from scratch

## SITCON 2016

Taipei, Taiwan

PRESENTER FOR <DOCKER-WAR : DOCKER BASED WARGAME PLATFORM>

Feb. 27th 2016

- Introduced a CTF platform build on top of containers, which can give each player an isolated gaming environment

## Web Security Basic

WRITER

*HITCON Training*

*Nov. 2016*

- Sum up the vulnerabilities happened to Web Applications in old days

## Web Security Advanced

WRITER

*HITCON Training*

*Dec. 2016*

- Sum up the vulnerabilities happened to Web Applications in recent years, and propose some new ideas to prevent such attacks as well

## Rails security

WRITER

*Wooyun drops*

*Mar. 2016*

- Sum up the vulnerabilities happened to Rails in recent years

## National Sun Yat-sen University

UNDERGRADUATE STUDENT REPORTER

*Kaohsiung, Taiwan*

*Sep. 2014 - Nov. 2015*

- Drafted reports about how to accelerate the speed of fuzzer with even more higher accuracy and lower false positives