Jesse **Huang**

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Experience

CyCraft Tehnology   *New Taipei City, Taiwan*

SECURITY RESEARCHER INTERN   *Jun. 2020 - Oct. 2021*

- Analyzed malware and ransomware samples, including **Ryuk**, **RansomExx**, etc.
- Survey on evading malware techniques and added new Windows API monitoring functionalities to **Cuckoo Sandbox**
- Research on large scale and high performance pattern matching tools and algorithms
- **yaradec**, A tool to decompile Yara binaries written in **Python 3** from scratch
- Engaged in the design of **Cybercans**, an educational board game leverages the concept of Cyber Defense Matrix

Freelancing

FREELANCING   *Jun. 2018 - Jun. 2020*

- Techinical document translations (English, Mandarin)
- Website design / bootstraping
- Teaching, short talks, see "Speaking & Teaching"

Education

University of California, Los Angeles (UCLA)   *Los Angeles, California, U.S.*

M.S. IN COMPUTER SCIENCE, HENRY SAMUELI SCHOOL OF ENGINEERING   *Sep. 2020 - Mar. 2022*

National Taiwan Normal University (NTNU)   *Taipei, Taiwan*

B.ENG. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING   *Sep. 2014 - Jun. 2018*

Skills

Reverse Engineering	IDA Pro, Ghidra, gdb, x64dbg, binutils, FRIDA, ...
Programming	Most Familiary with C, Python 3 and C++. Hands-on experiences with Java, PHP, JavaScript, Go, Rust, Julia, etc.
Miscellaneous	Docker, qemu, libvirt, Git, Linux System Administration, Linux System Programming
Languages	Mandarin - Native, English - Fluent, Japanese - Medium (JLPT N1)

Community Activity

Self-motivated learner, willing to share knowledge and frequently attending tech meet-ups as well as community conferences such as SITCON, HITCON, COSCUP, ...

BSD Taiwan 2017 Conference ⬀   *Taipei, Taiwan*

VOLUNTEER, STUDENT JOURNALIST   *Nov. 2017*

- Text record and published press releases and summaries about the event and the sessions

NTNU Computer Information Club & NTNU CSIE InfSec Study Group   *Taipei, Taiwan*

FOUNDER & LEADER   *Sep. 2016 - Jun. 2017*

- Collaborated with Taiwan Ministry of Education to promote **ezgo** ⬀ (An OSS-based Linux distro aim for educational purposes)
- Led the study of cybersec-related topics and taught practical techniques as well as basic programming concepts

Speaking & Teaching

2021	**Invited Lecturer at AIS3 2021** ⬀, "Ghidra Reverse Engineering"	*Taipei, Taiwan*
2021	**Consultant of Onward Security** ⬀, (Lecturer) Teach "Reverse engineering 101" to Cyber Warfare Command of Taiwan	*Taipei, Taiwan*
2019	**Invited Lecturer of III** ⬀, "Basic Reverse Engineering and Pwnable"	*Taipei, Taiwan*
2018	**Invited Speaker at Tamkang University Open Source Club (TKUOSC)**, "Security in Daily Life"	*Taipei, Taiwan*

Honors & Awards

2022	**2nd (of 470)**, DEF CON CTF 2022 Qualification (Team Balsn.217@TSJ.tw)	
2021	**Solver (42 out of 5,465)**, NSA Code Breaker Challenge ⬀	
2020	**Champion (1st of 6)**, HITCON x Balsn CTF Final (Team 10sec)	*Taipei, Taiwan*
2019	**Finalist (9th of 16)**, HITCON CTF 2019 World Final (Team 10sec)	*Taipei, Taiwan*
2018	**Finalist (8th of 17)**, DefCamp CTF 2018 World Final (Team 10sec)	*Bucharest, Romania*
2017	**Potential Award (4th of 16)**, AIS3 EOF CTF Final (Team EZ_CAT)	*Taipei, Taiwan*
2017	**Excellent Student Scholarship**, Dept. of CSIE, NTNU	*Taipei, Taiwan*
2016	**Academic Excellent Award**, Dept. of CSIE, NTNU	*Taipei, Taiwan*