

# Bailin Li

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## Education

### NUS(National University of Singapore)

Singapore

B.S. IN COMPUTER SCIENCE

Aug. 2020 - May. 2024 (Expected)

- GPA: 4.95 / 5.0. Dean's List (all semesters)

## Technical Skills

**Cybersecurity** Reverse Engineering, Binary Exploitation, Penetration Testing, Web hacking

**Toolbox** Ida, GDB, x64dbg, AFL, Qiling, Burpsuite, Postman

**Programming** C / C++, x86 Assembly, Node.js, Python, JAVA, Haskell

**Back-end** Express, Django, Flask, REST API

**Front-end** Hugo, Redux, React

## Work Experience

### STAR Labs

Singapore

N-DAY VULNERABILITY RESEARCHER INTERNSHIP

Mar. 2020 - Jun. 2020

- Disassembled and analyzed network / IOT device firmware.
- Discovered and reported 3 vulnerabilities in Singtel Mesh Nodes, assigned CVE-2020-15357, CVE-2020-25545 and CVE-2020-25546.
- Reverse engineered and exploited VirtualBox display driver emulator.
- Used Qiling framework and AFL for emulated closed source binary fuzzing.

## Extracurricular Activity

### Various CTF groups (TOX1C V4P0R & StrangleHold)

Singapore

MEMBER

2014 - Present

- Gained expertise in hacking & security areas, especially about internal of UNIX and Windows operating system.
- Participated on several hacking competition, 60+ CTFs with TOX1C V4P0R from 2017 to 2019 and won a number of awards.

### Hwa Chong Infocomm and Robotics Society

Singapore

PRESIDENT

2016 - 2017

- Developed and led the cybersecurity wing to win multiple national CTFs.
- Led a team of developers to create applications to support school events.

## Honors & Awards

### NATIONAL COMPETITIONS

2020	<b>1st runner up</b> , STACK the Flags - Capture The Flag	Singapore
2020	<b>personal 7th</b> , The InfoSecurity Challenge (TISC)	Singapore
2020	<b>1st Runner up</b> , Brainhack - Capture The Flag	Singapore
2019	<b>1st Runner up</b> , Brainhack - Capture The Flag	Singapore
2017	<b>Champion</b> , Cross CTF	Singapore
2017	<b>Champion</b> , Cyber Defenders Discovery Camp - Capture The Flag	Singapore
2016	<b>Champion</b> , Cyber Defenders Discovery Camp - Capture The Flag	Singapore