Bailin Li

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Education

NUS(National University of Singapore)   *Singapore*

B.S. IN COMPUTER SCIENCE   *Aug. 2020 - May. 2024 (Exepcted)*

- 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 (TOXIC VAPOR & 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 and won a good award.

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