

Li-Chang (Alex) Lai

(+886) 971 260 071

alexabc722@gmail.com ♦ [Github](#) ♦ [Linkedin](#)

EDUCATION

National Taiwan University, B.S. in Computer Science and Information Engineering 2020 Sep. - present
Cumulative GPA: 3.93/4, 4.08/4.3

Outstanding Performance Award 2022 Dec.

EXPERIENCE

Undergraduate Researcher @Group Fuzzing & Symbolic, Network Security Lab 2022 Feb. - present

Computer Security Teaching Assistant @NTU CSIE 2022 Sep. - 2023 Jan.

Summer Intern Formal Verification of Cryptography Programs @IIS, Academia Sinica 2022 Jul. - 2022 Aug.

Data Structure&Algorithms Teaching Assistant @NTU CSIE 2022 Feb. - 2022 Jun.

Head TA of programming group 2023 Feb. - present

- Outstanding Teaching Assistant Award 2022 Spring.

SKILLS

Programming Languages C, C++, Python, Shell Script, Golang, Node.js

Tools & Frameworks Git, Flask, Pytorch

Others Reverse Engineering, Formal Verification

PROJECTS

Cryptoline Ocaml [Github](#) 2022 Jul. - present.

- **Formal Verification:** verify Golang, OPENSLL's crypto library with mathematically-proved system.

HITCON online JavaScript [GitHub](#) 2022 Apr. - 2022 Sep.

- **Extension Application:** Responsible for game-related extensions.
- **Trouble-shooting:** Deal with unstable network behavior or other unexpected behaviour.
- **Stability:** Sustain good performance with high-flow players.

NTU CSIE Camp Challenge Game Python, Pygame [Github](#) 2021 Jul. - 2022 Jan.

- **Structure Design:** design the tutorial and problem structure that enable participants(high school students) to learn and develop a game with API
- **UI design:** development of interactive game with special visual effect with stable FPS.

EDU-CTF Course Website Golang, Semantic UI [Website](#) 2022 Apr. - present

- **Maintenance:** management and maintenance of the website.

Transfer Learning Pytorch [GitHub](#) 2022 May. - 2022 Jun.

- **Fast Adaptability** Fast adaptive to new style with computational efficient method.

ACTIVITIES

- Minister of Academic Department, NTU CSIE 45th Student Association.
- Participated in several CTF(Capture The Flag) Competitions e.g. DEFCON CTF, Google CTF
- Member of CTF Team [Balsn](#), major in Reverse Engineering.