Alex Lin

Personal Info

E-mail
linalex314@gmail.com

GitHub
https://github.com/SpaSmALX

Website
https://alexlin.dev

Frameworks

- Flask
- Jenkins
- PyTest
- VueJS / ReactJS / Flutter

Languages (Proficient)

- Python
- C
- Golang
- Bash
- JavaScript

Languages (Familiar)

- Java
- SQL
- Lua
- Dart / Flutter

Soft Skills

- Teamwork
- Organization (Agile, Git)
- Self-Learning
- Trilingual (3 languages)

Tools and Infrastructure

- Microsoft Azure
- Docker
- MongoDB
- MySQL / PostgreSQL

Computer scientist, and Systems Architect. Have a strong passion for Lower Level Systems Development, Security and Machine Learning.

Projects and Other Experience

Deerhunt Infrastructure Tech Lead   UTM Robotics Club

- Main active software developer for **UTM Robotics** Club.
- Tech lead for our open source project **Deerhunt Infrastructure**.
- Helped prepare and deploy to production a battle code event for over 100 students.

EvtxReader Python Pip module

- A python reader module for Windows Event logger (.evtx) files and produces.
- Check out the **source code**.

Charity Productivity App 2021 Hack the North

- Worked on a team to make productivity app which leveraged payments and charity donations to help users stay on task.

dotfiles

- Customizing my own Linux Desktop environment on top of the Debian kernel and the X-Window system. See my config files!

And a lot more, see my website!

Education and Volunteering

University of Toronto 2017 - 2022

- Major in **Mathematics,** Minor in **Computer Science** and a Minor in **Applied Statistics**.

Work Experience

OS Security Developer and Testing Intern May - August 2021   **Blackberry, QNX**

- Developed and maintained "**qtrace**" utility for QNX. Inspired by Linux "**strace**".
- Greatly improved knowledge of **C**, debugging tools such as **GDB** and lower level Linux system architecture.
- Continued to support security testing suite for various features.

Cyber Security Analyst and Developer Intern Jan - Dec 2020   **Deloitte**

- Got a chance to be part of Deloitte's Incident Response team.
- Supported the team's response to urgent client situations.
- Designed and Developed an company internal full stack webapp to help the team keep track of projects and statistics. Frameworks used include **Flask**, **SQLAlchemy**, **MySQL**, **VueJS** and the **Qualtrics API**.

OS Security and Testing Developer Intern May - August 2019   **Blackberry, QNX**

- Designed, developed and maintained automated test suites for security features.
- Gained experience in cryptography, kernel security and computer networking.
- Ported previously written tests with **Jenkins**, **PyTest** and **Bash.**