

Alex Lin

Computer scientist, full stack developer. Currently searching for internship experience during summer of 2021. Have a strong passion for **security** and **A.I.**

Personal Info

E-mail

aalex.lin@mail.utoronto.ca

GitHub

<https://github.com/SpaSmALX>

Website

<https://alexlin.dev>

Frameworks

- Flask
- VueJS / ReactJS
- Jenkins
- PyTest

Languages (Proficient)

- Python
- Golang
- C / C++
- 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
- Cockroach DB

Projects and Other Experience

Digital Receipts QR Code 2019 Hack the North

- Worked on a team to make webapp to help provide digital receipts through QR codes.

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.

evtx-to-csv

- Parses Windows Event logger (.evtx) files and produces CSV files for easier log analysis.

Nemo Discord Bot

- Personal Discord Bot that I am working on myself to parse commands. Also to learn Golang.

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

- B.Sc. Pursuing a Major in **Mathematics**, a Major in **Computer Science** and a Minor in **Applied Statistics**.
- Strong interest learning about Security, Networking and AI.

Work Experience

Backend Developer

UTM Robotics

- One of the main active software developers for UTM Robotics Club.
- Helped prepare and deploy a Battle Code event called *Deerhunt* which ran between Jan 3—Jan10 2021. Used **Azure**, **MongoDB**, **Flask**.

Cyber Security Analyst and Developer 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**.

Security and Test Infrastructure Intern May - August 2019

QNX, BlackBerry

- 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**.