

Jason Ngo

Computer Science Major @ UBC
CTF Player @ Maple Bacon

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Skills Summary

Binary Exploitation	Buffer-Overflow		Format-String Exploits		Return-Oriented Programming	
Web Security	SQL Injection		Cross-Site Scripting			
Languages	Rust	Assembly	C	C++	Java	Python
Technologies	Linux	Git	Docker	NGINX	Firebase	MySQL

Experience

- 2020/04 - Present **Freelance Software Development and Data Entry**
- Worked individually or with a small team.
 - Developed full-stack applications with detailed documentation.
 - Used tools to collect and organise information from the internet.

- 2019/09 - Present **CTF Competitions**
<https://blog.jasonn.dev/ctf>
- Wrote scripts to solve challenges under pressure.
 - Reversed engineered stripped binary programs.
 - Identified and exploited vulnerabilities in applications.

- 2017/09 - 2020/02 **Vex Robotics Club**
Sir Winston Churchill High School, Calgary, AB
- Wrote programs which interacted with the Vex API to relay instructions.
 - Created interfaces for receiving user input.
 - Designed programs for storing and implementing autonomous routines.
 - Wrote scripts to modify autonomous program files.

Projects

- 2021/05 - Present **pwndocker**
<https://github.com/Green-Avocado/pwndocker>
An exploit-development tool designed for CTF challenges with a non-native glibc.
- 2021/09 - 2021/12 **EasyROP**
<https://github.com/Green-Avocado/EasyROP>
Used object-oriented design to create an interactive program for binary exploitation.

Awards

- 2022/01 **CyberSci Vancouver Regionals - First Place**
- 2020/03 **Vex Alberta Provincial Tournament - Think Award**
- 2019/04 **U of C Science Engineering and Technology Challenge - First Place**

Education

- 2020/09 - 2024/04 **Bachelor of Science, Major in Computer Science**
University of British Columbia, Vancouver, BC