



# Jason Ngo

Computer Science Major @ UBC

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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

## Work Experience

2020/04 - Present

### Freelance Software Development

- Worked individually or with a small team.
- Developed full-stack applications with detailed documentation.

## Technical Extracurriculars

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.

## Hackathon Projects

2022/01

### Language Exchange

<https://github.com/Green-Avocado/Language-Exchange>

- DESCRIPTION.

2021/11

### Speak-able

<https://devpost.com/software/speak-able-inclusive-unconferencing>

- DESCRIPTION.

2020/08

### Study Tinder

<https://devpost.com/software/study-tinder>

- DESCRIPTION.

2020/08

### BikePath

<https://devpost.com/software/bikepath-dkpstx>

- DESCRIPTION.

2020/08

### COVID Wait

<https://devpost.com/software/covid-wait>

- DESCRIPTION.

## Cybersecurity Projects

2022/02	<b>BBY Stealer Malware Analysis</b> <a href="https://github.com/Green-Avocado/bbystealer-malware-analysis">https://github.com/Green-Avocado/bbystealer-malware-analysis</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>
2021/10 - 2022/01	<b>UBC MapleCTF</b> <a href="https://github.com/ubcctf/maple-ctf-ubc-2022">https://github.com/ubcctf/maple-ctf-ubc-2022</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>
2021/09 - 2021/12	<b>EasyROP</b> <a href="https://github.com/Green-Avocado/EasyROP">https://github.com/Green-Avocado/EasyROP</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>
2021/03	<b>Etwahl</b> <a href="https://github.com/Green-Avocado/Etwahl">https://github.com/Green-Avocado/Etwahl</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>

## Personal Projects

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2020/12 - Present	<b>website</b> <a href="https://github.com/Green-Avocado/website">https://github.com/Green-Avocado/website</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>
2021/11 - 2022/01	<b>atom-ide-rust</b> <a href="https://github.com/rust-lang/atom-ide-rust">https://github.com/rust-lang/atom-ide-rust</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>
2021/12	<b>discord-balance-tracker</b> <a href="https://github.com/Green-Avocado/discord-balance-tracker">https://github.com/Green-Avocado/discord-balance-tracker</a> <ul style="list-style-type: none"> <li>DESCRIPTION.</li> </ul>

## Awards

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

## Education

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2020/09 - 2024/04	<b>Bachelor of Science, Major in Computer Science</b> <i>University of British Columbia, Vancouver, BC</i>
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