

Jason Ngo

Computer Science Major @ UBC

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Skills Summary

Application Security	Buffer overflow, Format-string exploits, Return-oriented programming, Reverse engineering
Web Security	SQL injection, Cross-site scripting, Template injection, Local file inclusion, Prototype pollution
Systems development	Rust, x86 Assembly, C / C++, Java
Web development	NodeJS, NGINX, Google Firebase
System administration	Linux, Docker, SQL

Work Experience

2020/04 - Present	Freelance Software Development <ul style="list-style-type: none"> • Worked individually or with a small team. • Developed full-stack applications with detailed documentation.
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Technical Extracurriculars

2019/09 - Present	CTF Competitions https://blog.jasonn.dev/ctf <ul style="list-style-type: none"> • 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 <i>Sir Winston Churchill High School, Calgary, AB</i> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • DESCRIPTION.
2021/11	Speak-able https://devpost.com/software/speak-able-inclusive-unconferencing <ul style="list-style-type: none"> • DESCRIPTION.
2020/08	Study Tinder https://devpost.com/software/study-tinder <ul style="list-style-type: none"> • DESCRIPTION.
2020/08	BikePath https://devpost.com/software/bikepath-dkpstx <ul style="list-style-type: none"> • DESCRIPTION.
2020/08	COVID Wait https://devpost.com/software/covid-wait <ul style="list-style-type: none"> • DESCRIPTION.

Cybersecurity Projects

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

Personal Projects

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

Awards

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

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