

# Jason Ngo

Computer Science Major + Software Developer

**Mobile** +1 587-890-5411  
**Email** work@jasonn.dev  
**Website** jasonn.dev

**GitHub** github.com/Green-Avocado  
**StackOverflow** stackoverflow.com/users/13528169/green-avocado  
**LinkedIn** linkedin.com/in/jasonn-dev

## Skills Summary

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### Full-stack development

HTML	CSS	Javascript	NodeJs
PHP	Python	C++	MySQL
Firebase	Firestore	NGINX	Express

### Desktop development and scripting

C	C++	C#	Python
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### Version control

Git	Subversion
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### Linux

Debian and derivatives	Arch and derivatives
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## Work Experience

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### 2020/04 - Present    **Freelance Software Developer**

- Worked individually or with a small team.
- Developed applications according to client specifications.
- Produced detailed technical documentation.

### 2016/06    **Calgary Stampede Work Experience Program** *Boys and Girls Clubs of Calgary, Calgary, AB*

## Activities

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### 2019/09 - Present    **CTF Events** *<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 receive user input and relay instructions to motors.
- Designed programs for storing and implementing predefined autonomous movements, and wrote scripts to facilitate modification of autonomous program files.

## Awards

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|---------|---|
| 2020/03 | <b>Vex Alberta Provincial Tournament - Think Award</b><br><i>4414 Crowchild Trail SW, Calgary, AB</i> |
| 2019/04 | <b>Science Engineering and Technology Challenge</b><br><i>University of Calgary, Calgary, AB</i>      |

## Projects

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| 2020/07 - Present | <b>Hackathons</b><br><a href="https://devpost.com/Green-Avocado">https://devpost.com/Green-Avocado</a><br>Working collaboratively to create and implement unique ideas for hackathon events.   |
| 2020/06 - Present | <b>Personal Web Server</b><br><a href="https://github.com/Green-Avocado/website.git">https://github.com/Green-Avocado/website.git</a><br>Simple webserver running NGINX and NodeJs on an Arch Linux server.  |
| 2020/06 - Present | <b>CTF Writeups</b><br><a href="https://github.com/Green-Avocado/CTF.git">https://github.com/Green-Avocado/CTF.git</a><br>Documentation of attempts at CTF challenges and in-depth explanations of solutions.  |
| 2021/03           | <b>Etwahl</b><br><a href="https://github.com/Green-Avocado/Etwahl.git">https://github.com/Green-Avocado/Etwahl.git</a><br>C++ program for linking MIDI signals to keystrokes on Windows and Linux.   |
| 2020/05 - 2020/06 | <b>COVIDPing Image Generator</b><br><a href="https://github.com/Green-Avocado/covidping-image-generation.git">https://github.com/Green-Avocado/covidping-image-generation.git</a><br>Web application for generating and displaying Twitter cards for COVID-19 statistics in US states. |

## Education

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