

# Jason Ngo

Software Developer

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## Skills Summary

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### Full-stack development

HTML	CSS	Javascript	NodeJs
PHP	Python	C++	

### Desktop development and scripting

C	C++	C#	Python
Bash			

### Technical writing

LaTeX	Microsoft Office	Libre Office	Google Drive
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### Debugging and disassembly tools

Proficient with tools to effectively debug or disassemble programs compiled for x86 or x64 architecture.

GDB	Radare2
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### Version control

Ability to effectively use version control for managing projects and collaborating with a team.

Git
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### Linux

Debian and derivatives	Arch Linux and derivatives
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## Windows

Windows 10

Windows 7

## Text editors, compilers, and IDEs

Well versed in a variety of tools for writing and compiling programs.

Visual Studio  
G++

Notepad++

Vim

GCC

## Work Experience

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2020/04 - Present

### Freelance Software Developer

Worked individually or in a small team to develop desktop applications and web applications according to client specifications.

2016/06

### Calgary Stampede Work Experience Program

*Boys and Girls Clubs of Calgary, Calgary, AB*

Worked in a team of six under supervision to patrol a designated area during the Calgary Stampede event and ensure that the area remained presentable.

## Education

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2020/09 - 2024/04  
(Anticipated)

### Bachelor of Science

*University of British Columbia, Vancouver, BC*

2017/09 - 2020/06

### Alberta High School Diploma

*Sir Winston Churchill High School, Calgary, AB*

2018/02 - 2020/05

### International Baccalaureate Diploma Programme

*Sir Winston Churchill High School, Calgary, AB*

## Volunteering

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2018/02 - 2020/02

### Volunteer Churchill

*Sir Winston Churchill High School, Calgary, AB*

Participated in a variety of community-oriented projects as a volunteer.

2015/07 - 2019/07

### Pool Assistant/Program Assistant

*Village Square Leisure Centre, Calgary, AB*

Assisted in running day camp programs and swimming lessons as a volunteer. Worked directly with project leaders, supervisors, and other volunteers.

## Activities

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- 2020/05**      **Cyber Castors CTF 2020**  
*<https://castorsctf20.ctfd.io/>*
- 2017/09 - 2020/02**    **Vex Robotics Club**  
*Sir Winston Churchill High School, Calgary, AB*
- 2019/09 - 2019/10**    **PicoCTF 2019**  
*<https://2019game.picoctf.com/>*

## Projects

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- 2020/06 - Present**    **CTF Writeups**  
*<https://github.com/Green-Avocado/CTF.git>*  
Documentation of attempts at CTF challenges and in-depth explanations of solutions.
- 2020/05 - Present**    **Resumes and CV**  
*<https://github.com/Green-Avocado/Resume.git>*  
LaTeX source code for all my resumes and my CV.
- 2020/03 - Present**    **Canada Amateur Radio Advanced Guide**  
*<https://github.com/Green-Avocado/CA-ham-radio-advanced-guide.git>*  
Detailed guide covering all the topics necessary to achieve an advanced qualification in Canadian Amateur radio.
- 2020/05 - 2020/06**    **COVIDPing Image Generator**  
*<https://github.com/Green-Avocado/covidping-image-generation.git>*  
Web application for generating and displaying Twitter cards for COVID-19 statistics in US states.