

Jason Ngo

Software Developer

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A current student looking to major in computer science. I have ongoing experience in software development as a freelancer. My ability to work well in a team has been demonstrated through my previous employment and volunteer experiences.

Skills Summary

Full-stack development

Proficient in the development of front-end and back-end solutions. Experience in creating intuitive and responsive user interfaces. Used a variety of technologies to serve static files as well as to create dynamic web content.

HTML	CSS	Javascript	NodeJs
PHP	Python	C++	

Desktop development and scripting

Capable of developing programs ranging from simple scripts to larger applications.

C	C++	C#	Python
Bash			

Technical writing

Able to use various typesetting programs and word processors to produce detailed technical documentation.

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

Subversion

Linux

Years of personal experience using different distributions of Linux. Very familiar with the use of the command line and Bash. Aware of key distinctions between Linux and other popular operating systems.

Debian and derivatives

Arch and derivatives

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

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

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

- 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

- 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

- 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.