

Wesley Chow

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TECHNICAL SKILLS

Programming

- Java
- C/C++
- Python
- JavaScript
- Web Design
- SystemVerilog

Hardware

- Arduino, Raspberry Pi
- 3D Printing
- Drones (Quadcopter)
- Electronics, Circuits
- Soldering
- Multimeter, Oscilloscope

Software Tools

- Git, GitHub
- UNIX/LINUX
- JetBrains IDEs
- Quartus Prime
- ModelSim
- SolidWorks, Autodesk Inventor

EDUCATION

University of British Columbia
Bachelor of Applied Science - Computer Engineering

Expected May, 2026

TECHNICAL WORK EXPERIENCE

Aquilini Group - Pizza Hut Head Office, Vancouver, British Columbia
Technology Assistant

March, 2018

- Utilized drive cloning tools to set up Intel NUC POS servers for Pizza Hut restaurants

TECHNICAL PROJECTS

Legacy of North, Burnaby North Secondary School

February, 2020 – Present

- Filmed hundreds of locations using 360-degree photography
- Continuing to develop a website using HTML/CSS/JS to showcase footage in Google Street View style
- Collaborated with school staff to gain necessary permissions and resources

FPV Drones, Hobby Project

February, 2017 – Present

- Built several custom FPV drones
- Learnt about how FPV systems work and how to solder the components together
- Custom designed 3D printed parts

Writing Robot, Science Fair, Burnaby North Secondary School

October, 2017 – January, 2018

- Designed and built a writing robot leveraging 3D printed parts and Arduino electronics
- Utilized various software: Inkscape, G-code, Arduino, Grbl-servo firmware
- Implemented electronics: Arduino, CNC Shield, stepper motors, servo motor

OTHER WORK EXPERIENCE

Elections Canada, Burnaby, British Columbia

September, 2019

Polling Clerk

- Processed and recorded voters' information
- Counted and validated ballots after poll closing

Pacific National Exhibition, Vancouver, British Columbia

August, 2019 – September, 2019

Fair Ambassador

- Patrolled and offered guest services in various locations
- Utilized radio communications to address situations

VOLUNTEER EXPERIENCE

VikingsDev, Burnaby, British Columbia

September, 2020 – June, 2021

Vice President & Workshop Director

- Organized creation and presentation of workshops produced by the team
- Developed and presented Python Flask and Beginner Python workshops
- Coordinated team affairs such as exec meetings and responsibilities

BNS Drone Club, Burnaby, British Columbia

November, 2016 – June, 2021

Co-Founder & Vice President

- Taught students about how drones work, how to build them and how to fly them safely
- Created numerous presentations to teach about drone technology
- Organized funding from the PAC to buy drone equipment for educating 20+ members

Free Geek Technology Centre, Vancouver, British Columbia

July, 2017 – September, 2019

Electronics Tester and Dismantler

- Verified functionality of graphics cards and computer peripherals
- Dismantled and sorted computers, laptops and other electronics

Burnaby Village Museum, Burnaby, British Columbia

May, 2019 – June, 2019

Museum Interpreter

- Introduced and explained 1920s buildings and displays alongside other museum interpreters

AWARDS

UBC Dean's Honour List

2022

Hack the North++ Finalist

2020

INTERESTS & ACTIVITIES

- Programming and software for various hobby projects
- 3D printing, 3D design, 3D animation
- Hockey, ultimate frisbee, volleyball, skiing, snowboarding