

SKILLS

Programming: Python (Scripting), Java (& Android), C/C++ (OOP), JavaScript, HTML/CSS, ARM64 Assembly, SystemVerilog, G-code

Hardware: Arduino/Raspberry Pi (Microcontroller/Embedded), Drones, 3D Printing, Electronics/Circuits Soldering, Multimeter/Oscilloscope, FPGA

Software Tools: UNIX/LINUX, GitHub (VCS), Google Cloud, JetBrains IDEs, Quartus Prime, ModelSim, SolidWorks/Autodesk Inventor (CAD)

EDUCATION

BASc, Computer Engineering, The University of British Columbia

Expected 2026-05

TECHNICAL EXPERIENCE

Vice President & Workshop Director

VikingsDev, Burnaby, BC

2020-09 – 2021-06

- Organized creation and presentation of workshops produced by the team
- Developed and presented Python Flask and beginner Python workshops

Co-Founder & Vice President

BNS Drone Club, Burnaby, BC

2016-11 – 2021-06

- 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

Electronics Tester and Dismantler

Free Geek, Vancouver, BC

2017-07 – 2019-09

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

Technology Assistant

Aquilini Group - Pizza Hut Head Office, Vancouver, BC

2018-03

- Set up Intel NUC POS LINUX servers for Pizza Hut restaurants
- Utilized drive cloning tools: PXE boot, HDD Bay

PROJECTS

Legacy of North

Personal Project, Burnaby North Secondary

2020-02 – Present

- Filmed hundreds of locations using 360-degree photography
- Continuing to develop a website using HTML/CSS/jQuery to showcase footage in Google Street View style

Writing Robot

Science Fair, Burnaby North Secondary

2017-10 – 2018-01

- 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

Polling Clerk

Elections Canada, Burnaby, BC

2019-09

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

Fair Ambassador

Pacific National Exhibition, Burnaby, BC

2019-08 – 2019-09

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