

SKILLS

Programming: Python, Java, C/C++, ARM64, JavaScript, SystemVerilog, Web Design

Hardware: Arduino, Raspberry Pi, Electronics/Circuits, Drones, 3D Printing, Multimeter/Oscilloscope, Soldering

Software Tools: UNIX/LINUX, GitHub, JetBrains IDEs, Quartus Prime, ModelSim, SolidWorks/Autodesk Inventor

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
- Coordinated team affairs such as exec meetings and responsibilities

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 Technology Centre, 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

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

PROJECTS

Legacy of North

Burnaby North Secondary School

2020-02 – 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

Writing Robot

Science Fair, Burnaby North Secondary School

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