



AYDEN NGUYEN

Burnaby North Secondary



PROFILE

I am a senior student at Burnaby North Secondary interested in aerospace, computer science, and aviation. Currently serving at 759 Falcon RCACS to promote youth literacy in aviation and the Canadian Forces. I hope to bring a positive change to the world and influence others through my technological expertise and ingenuity.



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ayng.ml | portfolio



Burnaby, BC, Canada



SKILLS/HOBBIES

- Creativity
- Organization & responsibility
- IT & Computers
- Group management/problem solving
- Strong work ethic
- Road cycling
- Photography
- Aviation/aerospace



AWARDS

SCHOOL RECOGNITION

2018-present: Honour Roll

2019-2020: Science Fair Finalist

June 2022: Top Student in Economics 12 and Chemistry 11

AIR CADETS

August 2019: Top General Training Cadet

June 2020: Top Level 3 & First Aid Cadet

August 2022: Air Force Association of Canada

- Medal awarded to the top provincial performer during Private Pilot Training

PIANO - ROYAL CONSERVATORY OF MUSIC (JANUARY 2021)

First Class Honours with Distinction
Level 10 Piano/Theory



EDUCATION

Burnaby North Secondary | Grade 12 | 2018-Present

Exp. graduation in June 2023



VOLUNTEER EXPERIENCE

Salvation Army Volunteering

Cariboo Hill Temple | October 2018

- Produced sandwiches for the impoverished
- Gained experience in a group working environment

Air Cadets

759 Falcon Squadron | 2018 - present

- Raised funds for veterans through promotion events
- First Aid training, squad commander and instructor
- Produced sandwiches for the homeless via volunteering
- Aviation and leadership experience

Free Geek Computer Builder

Free Geek | Oct. 2021 ~ June 2022

- Gained experience in computer recycling process and refurbishment
- Constructed computers using recycled, donated hardware for those in need of low-cost electronics
- Sold rebuilt computers via the online catalogue
- Aided new volunteers in the dismantling and recycling process

POOL ASSISTANT

Local Neighborhood Pool | August 2021

- Supervised pool operations during summer months and performed pool and facility maintenance
- Manual analysis and correction of pool water chemistry
- Efficiently catalogued pool usage and activity
- Coordinated work and cleanup schedules with co-workers



PROJECTS/ENDEAVORS

Canadian Great Cycle Challenge

Ride to Conquer Cancer | August 2020

- Cycled 600km to raise money for cancer research on behalf of the SickKids Foundation; raised \$1715

Arduino-Controlled Aircraft

RC plane on open-source code | May 2022

- DIY model aircraft built on foamboard and low-cost Arduino Uno
- Full controls for ailerons, elevators, flaps, rudder, throttle
- Demonstrates efficacy of low-cost microprocessors for reliable aerospace applications