Nathan Mikhail

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Education

<u>BSc Computer Engineering (Nano) Co-op</u> **|** University of Alberta, Edmonton   September 2017 – April 2022 (Expected)
- Favorite Classes: Tangible Computing (Python, C++), Digital Logic Design (VHDL)

Projects

<u>Edmonton Restaurants</u> **| ARDUINO/C++**
- Arduino based project displaying a map of Edmonton as well as locations of restaurants via an OLED display
- Functionality includes touch display, restaurant rating selection, different sorting techniques, scrollable lists, and joystick use to move around the map

<u>Gravity Simulator</u> **|PYTHON**
- Simulator for a free-falling ball using the Pygame library. Displays the movement of the ball via an external window, as well as live values in the terminal
- Functionality includes user determined constants consisting of initial height, initial velocity, and constant acceleration

Work Experience

<u>Back shop & Pro shop Associate</u> **|** Grande Prairie Golf and Country Club   May – August 2018
- Managed a club storage system, and assisted in leading as well as managing the back-shop team
- Assisted in running and maintaining the Pro shop while maintaining a proper schedule on the golf course

<u>Wardrobe Consultant</u> **|** Moores Clothing for Men   March – August 2017
- Sold men's clothing and suits to ensure all their professional needs were met
- Processed over $3,000 in cash, debit, and credit card transactions daily, assisted in cash outs

<u>Freestyle Ski Coach</u> **|** Northern Extreme Freestyle   November 2016 – April 2017
- Mentored, coached and evaluated young freestyle skiers
- Lead as a team coach at out of town competitions demonstrating leadership

Skills

- Languages: **Python**, **C++, MATLAB**
- Operating systems: **Windows, Linux, MacOS**
- Other: **Digital logic (VHDL)**

Extracurricular

<u>Volunteer and Hobbies</u>
- St. Josephs College House Committee Sports Representative   September 2018 – Present
- St. Josephs College Student Mentor and Tutor   September 2018 – Present
- Built a custom computer, and assisted people on Reddit forums when choosing their own components

<u>Sports</u>
- Member of the UAlberta and Intramural Cup winning Unit at the University of Alberta, September 2017 - Present participating in: Ice Hockey, Volleyball, Soccer, Slo-Pitch, Water-Polo and more
- St. Josephs High School Volleyball Team Captain   September – December 2016
- 1st degree black belt in Taekwondo

<u>Achievements</u>
- University of Alberta Intramurals Participant of the Year   September 2017 – April 2018
- Celtic Coach's Choice Award, Celtic Spirit Award   2016
- Dilan Lebrun Sportsmanship Award   2015