

Nicholas Alder

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HIGHLIGHTS AND QUALIFICATIONS

- Enrolled in McMaster University's **Mechatronics and Management Engineering** Co-op Program
- Experienced with Microsoft word, excel, PowerPoint, Python, JavaScript, Java, and C++
- Excellent organization, leadership, and time management skills developed through work experiences
- Adaptable and able to understand new concepts and operations quickly

EDUCATION

Bachelor of Engineering and Management, Mechatronics

Class of 2019

McMaster University, Hamilton, ON

- Currently in Level 2 of five-year program
- Registered in the Engineering Co-op Program
- Awarded The John Hodgins Memorial Scholarship for being an outstanding student entering the Faculty of Engineering
- Awarded McMaster Honour Awards for high marks in high school (GPA 89.99%)
- Awarded McMaster University Senate Scholarship for academic success in the first year of Engineering (GPA 11.2)

Projects

- Developed Strong group dynamic and time management skills through design and marketing of a knife to assist physically limited stroke survivor with eating at a dinner table environment. (Final Course Grade: A)
- Demonstrated excellent communication and organizational skills while working effectively in a team of three (3) to create multiple software projects, including an **online bookstore database** in Java and **recursive tree calculator** in C++ (Project Grades: 100%)

EXPERIENCE

Lifeguard

Summer 2013, 2014, 2015

Pro Recreation Management, 3665 Arista Way, Mississauga, ON

- Developed strong attention to detail through providing clean and safe outdoor environment for swimmers
- Demonstrated strong problem-solving skills maintaining and correcting pool chemistry
- Gained experience working with and maintaining large filtration systems
- Further Developed leadership and responsibility skills supervising pool deck

Assistant Swim Instructor

Summer 2012

Mississauga Valley Community Center, Mississauga, ON

- Established strong teamwork and communication skills while assisting instructor in teaching of classes
 - Built strong attention to detail while providing one-on-one teaching with swimmers
 - Further developed interpersonal skills working with instructors, students, and parents
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SKILLS

Programming Languages

- Python
- Java
- C++
- HTML & CSS
- JavaScript & jQuery

Software Programs

- MatLab
- Autodesk Inventor (CAD)
- NI Multisim
- Microsoft Office, including Excel, PowerPoint, and Word

Laboratory and Safety

- Completed a WHMIS safety training course at McMaster University

EXTRACURRICULAR ACTIVITIES

- **Student Member** SumoBots 2016 – present
 - Create, code, and battle autonomous robots against intramural teams
- **Member** of Golden Key International Honour Society 2015 – present
- **Student Member** Professional Engineers Ontario 2015 - present
- **Student Member** McMaster Engineering Society 2014 - present
- **Student Member**, Varsity Cross Country team, Thomas L Kennedy High School 2013 - 2014
- **Student Member**, Interact Club, Thomas L Kennedy High School 2012 - 2014
 - Created positive impact globally and in local community through fundraisers, public initiatives, campaigns, and activities
 - Fundraising for Free the Children, Doctors without borders, and other charities/ local charities
- **Student Member**, of Environmental Club, Thomas L Kennedy High School 2012-2014
- **Adventures in Science**, University of Toronto Mississauga February – June 2013
 - Created and executed science themed workshop for elementary school student

REFERENCES AVAILABLE UPON REQUEST