#### EDUCATION

*Bachelor of Engineering, 4th year Mechatronics Engineering Sep 2014 – Present*

**Ryerson University, Toronto, ON** *Expected graduation: Jun 2018*

**SKILLS PROFILE**

* Engineering Softwatres:SolidWorks, MATLAB, Simulink, GRABCAD, AutoCAD, LabVIEW, Quartus
* Programming Languages: C, C++, Arduino Processing, Programmable Logic Controllers (Allen Bradley and OMRON)
* Other Related Applications: MS Word, MS Project, MS Excel, MS PowerPoint Google Platforms (Google Drive, Google Docs, Google Sheets, Google Forms)
* 5+ years demonstrating communication, interpersonal skills, collaborations and being a team player.
* Ability to adapt quickly and effectively to different work environments and complete tasks under pressure

**TECHNICAL PROJECTS**

**Renewable Energy Systems, Capstone Project** *Jan 2018 – Apr 2018*

* Lead a team of 3 other Engineering students to design a system of implementing renewable energy to a residential home
* Designed and built a smart microcontroller and infused the concept of Internet of Things (IoT) within the design
* Used C programming along with Arduino to program the Microcontroller and the Wifi Module
* Built and tested a working prototype showing real time readings of power generated from the system

**Ryerson Formula SAE – Powertrain Team** *Sep 2015 – Apr 2018*

* Worked alongside other Engineering students to design, build and assemble powertrain components such as intake manifolds and exhaust systems
* Utilized simulation softwares such as SolidWorks, AutoCAD and Ricardo Wave to perform stress, fluid mechanics and thermodynamic analysis

**Automation Production Assembly Station – Design Project** *Sep* *2017 – Dec 2017*

* Worked alongside a team of 4 students to design and build an assembly of a photo frame using PLC
* Implemented the design using both OMRON and AllenBradley PLCs
* Formulated user centered design by implementing human factors engineering into the design

**Claw Grabber Mechanism – Design Project** *Jan 2016 – May 2016*

* Teamed up with fellow Engineering students to design and manufacture a 4-bar mechanism to grab and lift everyday items
* Displayed exceptional management skills by completing the project in a tight schedule with material and size constraints
* Designed the mechanism using SolidWorks and imported individual parts into AutoCAD for laser cutting via a DXF file

**Hospital Patient Lift – Design Project** *Sep 2015 - Dec 2015*

* Worked closely with a group of 5 other Engineering students to design and critically analyze a lift system which would assist hospital patients with disabilities to be transported around the hospital room
* Exercised interpersonal and leadership skills by taking the lead in establishing communication within group members to achieve the required task in an efficient and effective manner

**­ADDITIONAL EXPERIENCE**

**Security Guard**

*G4S Secure Solutions (Canada) Ltd, North York, ON Jun 2012 – Present*

* Provided knowledge to security guards about legal guidelines for area security and public safety
* Demonstrated excellent surveillance and observation skills

**Ryerson Engineering Students Society (RESS)** *Sep 2014 – Apr 2018*

* Collaborated with other members to plan events and successfully execute them, as well as volunteering at various events hosted by RESS

**Sales Associate**

*Techspot, North York, ON Jun 2013 - Sep 2013*

* Demonstrated strong interpersonal communications skills by contacting various head offices of well-known corporations to offer the latest computer softwares designed to improve business efficiency and operations
* Displayed ability to successfully build robust professional relationships with customers, assisting in buying decision
* Effectively entered customer data regularly into MS Excel spreadsheet and provided them to upper management illustrating strong computer skills

**Big Brother**

*Ismaili Volunteer Corps Oct 2012 – Sep 2013*

* Fostered communication and leadership skills by mentoring students between the ages of 7 and 14 in various events
* Developed a strong sense of responsibility by assuring that students had a strong grasp of the concepts presented to them

**Robotics Club, Marc Garneau C.I, North York, ON**  *Sep 2011 - Jun 2012*

* Designed and built robots to meet certain criteria and perform designated tasks with a team of technically-inclined students and teachers
* Used programs such as AutoCAD, Inventor, SolidWorks and MasterCAM in conjunction with CNC Machinery to create and implement Engineering designs