

**Martin Zadarko**  
[Zadarko.M@gmail.com](mailto:Zadarko.M@gmail.com)  
647-385-5731  
4104 Chadburn Crescent  
Mississauga, ON L5L 3W9

## **HIGHLIGHTS OF QUALIFICATIONS**

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- Strong organizational, analytical, and leadership skills in team-based projects
- Excellent technical writing and verbal communication skills
- Background in project management
- 2+ years of engineering work experience
- Mechanical Engineering Co-op major, degree completed April 2017

## **SOFTWARE**

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|---------------------|-------------------|--------------|
| • MS Office         | • Ansys FEA & CFX | • Siemens NX |
| • MATLAB            | • SolidWorks      | • SAP        |
| • Autodesk Inventor | • AutoCAD         | • Python     |

## **EXPERIENCE**

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### **Jr. CAD Designer – Mechanical EIT**

July 2017 – Present

PSI Engineering, Mississauga, ON

- Designed new parts and optimized existing parts using Solidworks to improve automated printing and paper handling systems
- Created engineering drawings for assemblies, sheet metal parts, and machined parts
- Improved the efficiency of various systems through data log analysis
- Collaborated with technicians and assemblers during phases of design, testing, and implementation

### **Product Management Intern**

August 2015 – September 2016

GE Water & Process Technologies, Oakville, ON

- Created, managed, and issued technical and commercial material using input from various teams within GE across multiple product lines and businesses
- Conducted competitor analysis for new and existing products and services
- Worked within an internal database to insert and modify technical information applicable to various product lines and projects
- Gathered, analyzed, and documented data trends for various water treatment facilities

### **Summer Student**

May 2014 – August 2014

Progistix Solutions, Toronto, ON

- Tested modems, routers, and IPTV units in a lab setting using software
- Lead and managed a kitting team in order to achieve daily productivity goals
- Updated the company's unit database through SAP
- Trained new team members in kitting practices while establishing a positive and encouraging work environment

## **EDUCATION**

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### **Bachelor of Engineering, Mechanical**

Completed April 2017

McMaster University, Hamilton, ON

- Awarded McMaster Entrance Scholarship
- Cumulative GPA: 3.4 / 4.0
- Completed 12-month co-op placement

## **PROJECT WORK**

- **Biomechanical Design:** Demonstrated outstanding interpersonal, communication, and problem solving skills while working in a team setting to design and present a unique dynamic elbow orthosis (sling) for a client
- **CFD Design Optimization:** Modeled the flow of air within a pneumatic roughness measurement sensor to optimize the sensor's geometry and operating parameters
- **3D Modeling and Optimization:** Conducted CAD, CAM, and CAE work on a soapbox derby car to optimize its overall design using Siemens NX
- **Mechanical Prototype Development:** Designed and operated a device that allows the towing of parallel parked vehicles, using servo motors and laser cut parts
- **Open Ended Design:** Evaluated the feasibility of a fast, reliable, and safe point-to-point product transportation line between nearby manufacturing and assembly plants

## **EXTRACURRICULAR ACTIVITIES**

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|--|----------------|
| • <b>EIT</b> , Professional Engineers Ontario                  | 2017 – Present |
| • <b>Student Member</b> , McMaster Engineering Society         | 2012 – 2017    |
| • <b>Student Member</b> , Professional Engineers Ontario       | 2012 – 2017    |
| • <b>Volunteer</b> , Good Shepherd Christmas Store             | December 2015  |
| • <b>Volunteer</b> , Scotiabank Toronto Marathon Event         | October 2012   |
| • <b>Volunteer</b> , Glen Eden Food Bank                       | August 2012    |
| • <b>Volunteer</b> , Loyola Secondary School Mathematics Tutor | 2011-2012      |