**MAHMOUD SAFAAN**

Toronto, ON | (647) 473-1222 | mmsafaan@gmail.com | [linkedin.com/in/mahmoud-safaan](http://www.linkedin.com/in/mahmoud-safaan)

**EXPERIENCED PROJECT MANAGER**

Mechanical and Industrial Engineering graduate with practical work and academic experience in project management, analytics, technical course development and engineering design. Undertakes diverse and challenging tasks to deliver results with exceptional quality and adherence, while meeting deadlines. Thrives in both independent and team-oriented environments. **Main competencies include:**

Project Management • Engineering Design • Data Analytics • Building Condition Assessment • Course Development • Communication • Technical Writing

**PROFESSIONAL EXPERIENCE**

**Project Manager**

Bombardier Aerospace / AAA Canada • Toronto, ON • April 2018–present

* Managed project priorities and directed allocations of tasks to team members based on their level of competency to minimize the risk of technical error reducing operation time and costs
* Generated analyses and reports, identified issues and implemented solutions, minimizing project risks and maximizing outcomes
* Provided engineering support to senior engineers and project leads by generating design drawings, bill of materials, part availability, and visual work instructions, increasing overall team productivity and project efficiency
* Identified potential risks which reduced operation time by 20% and optimized the sequencing and scheduling of daily tasks increasing plan efficiency by 15%

**Building Condition Assessment Analyst**

Ontario Public Service - Capital Planning & Delivery • Toronto, ON • August 2017 – January 2018

* Provided engineering expertise on the conditions, maintenance, and replacement cost of buildings and components to improve the development of capital projects
* Assisted senior capital analysts with capital data, feasibility reports, consolidation, and research of different building equipment, improving team effectiveness and increased productivity
* Applied innovative ideas to building modifications effectively reducing material cost by 20%

**Project Team Lead**

Canadian Petroleum Services Inc • Toronto, ON • August 2014 – August 2016

* Guided Course Development Team and improved the quality of downstream mechanical engineering training courses by 22%, guaranteeing Canadian and international standards
* Supervised and trained new employees and developed a systematic process using design flowcharts and schematics to prevent 80% recurrence of error
* Organized meetings and training sessions for instructors, trainees, and customers which enhanced collaboration, teamwork skills and strengthened client relationship

**DESIGN PROJECTS**

**HVAC Design Project**

London, ON • September 2013 – April 2014

* Designed a Forced Air and Hydronic heating system to provide comfortable, economical, and energy efficient heating. Drafted a layout of the building pipes, supply, return and exhaust system using AutoCAD
* Managed a team of 4 mechanical engineering students in developing an efficient and sustainable HVAC system

**Industrial Robot (Capstone Project)**

London, ON • September 2013 – April 2014

* Designed and constructed a cartesian autonomous robot using CAD/CAM that carefully extracted 2 mushrooms per second which had potential to significantly advance the mushroom harvesting industry
* Discussed stages of the project life cycle, design methodology, project tasks, and issues during team meetings encouraging team enthusiasm

**EDUCATION**

Master of Engineering in Mechanical and Industrial Engineering

Ryerson University • Toronto, ON (2018)

Bachelor of Engineering Science in Mechanical Engineering

Western University • London, ON (2014)

**TECHNICAL SKILLS**

AutoCAD • SolidWorks • CATIA • Microsoft Office • Microsoft Project • SAP • MATLAB • Siemens NX 9.0 • Carrier HAP • C and C++ • VBA

**AFFILIATIONS & PROFESSIONAL ASSOCIATIONS**

Professional Engineers Ontario (PEO) – Registered Engineer-in-Training

Canadian Society for Mechanical Engineering (CSME) – Active Member

American Society of Heating, Refrigerating, and Air-conditioning Engineers (ASHRAE) – Active Member