DARSHINI GOSWAMI

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Languages: C++, HTML5/CSS, Python, MATLAB, VBA
Software: AutoCAD, SolidWorks, CATIA, GIT, Simulink, Quartus, Excel
Relevant Courses: Circuit & Controls Design, Statistical Analysis, Manufacturing Fundamentals, Engineering Design & Project Management

Education

Ryerson University Sept. 2017- May 2022

- B.Eng Mechanical Engineering (Mechatronics Specialization)

Professional Experience

Plant Engineer (Co-Op), Suncor Energy May 2020 – April 2021

- Led as project manager to gather requirements and develop work plan for National Process Safety Information Gap Closure Program
- Coordinated with plant engineers and external contractors to develop PSI Program schedules, budget, and kick-off requirements based on priority and resource availability
- Increased PSI compliance from 50% to 90% across all 13 national terminals
- Assessed viability and safety of creating a by-pass on the firewater pump at the Ottawa Terminal through the use of Pipe-Flo Software
- Reduced risk of uncontrolled product leaks by developing a program for the installation of spring-loaded return valves at sampling locations across 13 Distribution Terminals

Operations Engineer, Ryerson Helium Jan 2020 – April 2020

- Developed, implemented, and ensured adherence to health & safety protocol requirements during the manufacturing and testing phases of the full-scale drone
- Implemented lean 5S structure into assembly facility to optimize workflow
- Optimized operational processes by developing standardized testing templates and forms

Product Management Intern, IBM-Intelense May 2019 – Aug 2019

- Acted as product manager to ensure synchronization among cross functional teams
- Coordinated with Team Leads and Stakeholders to ensure progress, concerns, and requirements were communicated and aligned
- Analyzed Pearson datasets on AI and machine learning markets, compiled research into technical reports for sales pitches
- Designed and developed website per Stakeholder requirements utilizing HTML5 and CSS

Structural Subsystems Engineer, Ryerson Formula Racing Team Jan 2018 – Jan 2019

- Performed calculations and experiments to analyze the frame structural equivalency and used results to drive design discussions
- Optimized framework of car by analyzing and calculating weight transfer throughout structural frame
- Modelled optimized structural pieces utilizing AutoCAD