

Hunter Enns

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SUMMARY

Hands-on mechatronics engineering graduate with a great deal of experience in seeing a project through from design to assembly to operation. Possesses excellent knowledge of mechanical and mechatronics engineering fundamentals, as well as the ability to apply them to projects. Currently seeking an entry-level engineering position.

SKILLS

- SOLIDWORKS
- C
- Microsoft Office Suite
- VHDL
- General computer knowledge
- MATLAB

EDUCATION

Graduated 04/2022 **Bachelor of Engineering**, Ryerson University – Toronto, ON

ENGINEERING PROJECTS

- 01/2022 – 04/2022 **Mars Rover Capstone Project**, Mechanical Design Course
- Worked with three other students to design an arm and gripper for the Ryerson Rams Robotics team's entry to the University Rover Challenge
 - Specifically, I used SOLIDWORKS to design a linear actuator system for the arm that consisted of a carriage and rail assembly powered by a belt drive
 - Assembled a fully functional prototype in time to showcase at Ryerson Engineering Day
- 10/2021 – 11/2021 **2DOF Solar Panel Tracking System**, Mechatronics Systems Design Course
- Using only two photoresistors, I designed a system to follow greatest light intensity by moving in the azimuth and altitude
 - Compared the current values of two adjacent photoresistors to determine which direction to travel in along the azimuth
 - Wrote an algorithm to track along altitude by incrementing motor position then comparing previous and current light intensity values to determine next position

WORK EXPERIENCE

- 06/2020 – 08/2021 **Warehouse Order Picker**, Marks Supply – Vaughan, ON
- Used an RF scanner to quickly and accurately pick orders ranging from 1 to 140 unique products
 - Loaded trucks on my own and with others in a logical order to ensure that the products arrived safely and could be unloaded easily
 - Maintained cleanliness of the warehouse and yard to ensure a safe and organized workplace for myself and my coworkers
- 03/2017 – 08/2019 **General Laborer**, Nuvo Iron – Bolton, ON
- Loaded and operated a robotic welder to produce ornamental fence panels to specification
 - Manually welded fence panels to ensure durability and customer satisfaction
 - Operated forklifts and pump trucks to pull parts for orders
 - Manually assembled custom chain-link fence gates in accordance with shop drawings

AWARDS

- Certified SOLIDWORKS Associate in Mechanical Design
- Duke of Edinburgh Award – Bronze Level
- Certificate of Commendation for Service to Scouting