

KRISTIN SEYMOUR

PHONE: 416-579-4527

EMAIL: kristinaseymour@icloud.com

LINKEDIN: <https://www.linkedin.com/in/kristin-seymour-108bb3170/>

PORTFOLIO: <https://www.kristinseymourengineering.com/>

PROFESSIONAL SUMMARY

Skilled in 3D modeling and the design process, expertise gained from working as a Junior Engineering Specialist at Stackpole International and Product Designer at Tigercat Industries. Great social and customer service skills obtained by working as a barista at Prairie Boy Bakery and interacting with vendors and management at Stackpole International and Tigercat Industries. Strong teamwork skills developed through 15+ years of team sports and 6 years of being a part of the McMaster Engineering Concrete Toboggan Team (MECTT). Strong leadership abilities gained through co-captaining the 25 members of MECTT and captaining multiple sports teams.

SKILLS

- | | | |
|--|---|--|
| <ul style="list-style-type: none">• Certified SOLIDWORKS Associate• Microsoft Suite | <ul style="list-style-type: none">• Organization and prioritization• Working in a fast-paced environment | <ul style="list-style-type: none">• English writing and communication• Customer service |
|--|---|--|

EDUCATION

McMaster University, Hamilton ON

B.Eng in Mechanical Engineering, April 2024 Graduation

WORK EXPERIENCE

Product Designer, January 2023 - August 2023

Tigercat Industries, Paris, ON

- Worked with the Track Feller Buncher engineering team to update drawings and design small components for improvement.
 - Updated bills of materials using SOLIDWORKS, updated dimensions, and changed CAD models to reflect changes made on the machine.
 - Extensively used a SOLIDWORKS PDM system for CAD file data management.
- Assisted the lead engineer in the implementation of a live heel boom prototype.
 - Responsible for determining the routing of hydraulic hoses and their lengths along the boom.
 - Troubleshooted issues in the prototype build and implemented the changes into the CAD and drawings.

Junior Engineering Specialist, July 2020 - August 2021

Stackpole International PM, Mississauga, ON

- Troubleshooting problems on the plant floor
 - Given an issue and discussed with people working on the plant floor as well as engineers to design solutions on SOLIDWORKS.
 - Presented work and solutions to fellow engineers and management for approval.
 - Communicated with vendors to order the designed custom parts, responsible for assembling and implementing the design, and going through the trial process to complete the project.
- Automation projects
 - Worked with a group of 4 engineers to automate powder metal machining processes.
 - Placed robots, conveyors, and machines in layouts on SOLIDWORKS before planning the installation.
 - Analyzed what components were required and created bills of materials (fasteners, sensors, and other components) to ensure the team had what they needed for the install.
 - Designed and installed automation cell fencing, conveyor guide rails, end of arm tooling for robots and more.

EXTRACURRICULARS

McMaster Concrete Toboggan Team, 2018-2024

- Superstructure Sub-Captain (2023-2024): Designed and built a carbon fibre roll cage with 2 steel roll hoops, mounted to an aluminum base frame.
- Team Co-Captain (2022-2023): Managed and provided support to all 9 sub-captains to ensure a successful toboggan was built in time for competition. Responsible for organizing and leading 25 engineering students on the team in Kelowna, BC during the competition.
- Superstructure Sub-Captain (2021-2022): Designed and built a steel roll cage for the 2022 competition and ran workshops with general members to build it.

McMaster Intramural Volleyball, Basketball and Dodgeball 2019-2024

PROJECTS - see <https://www.kristinseymourengineering.com/> for details of each project.

Composite Material Roll Cage, 2024

Steel Roll Cage, 2022

Furnace Loading Tool, 2021

Goat Climbing Structure, 2023

Cam Follower Troubleshoot, 2021

Kayak and Canoe Rack, 2020