

Rylan Prima

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Skills and Expertise

CAD Solidworks, AutoCAD, Onshape	Skills Computational Methods, Project Management, Teamwork, Bilingual, Communication,
Microsoft Office 365, Power Query, etc	Problem-Solving/ Improvisation,
Lang/ Software Java, Python, MATLAB	Data Collection, Analysis and Reporting
Woodworking Sawing, Drilling, Routing, etc	

Relevant Experience

CAD (SolidWorks)	May 2025 – Aug 2025
<ul style="list-style-type: none">Designed fully defined 3D parts using sketches, constraints, and primary/secondary SolidWorks features; Extrudes, cuts, revolves, fillets, patterns.Built functional mechanical assemblies with complete mate definitions. Used concentric, coincident, parallel, tangent, distance mates, etc to place parts together.Produced professional engineering drawings and documentation, including multi-view projections, section views, exploded assemblies, and full BOMs.	
Toromont Cat (Summer Student – Warehouse/Parts)	May 2025 – Aug 2025
<ul style="list-style-type: none">Coordinated parts inventory, with other students ensuring accurate tracking and quick delivery to service technicians.Collaborated with engineers, technicians, and sales staff, gaining exposure to mechanical systems and technical documentation.Developed strong problem-solving and organizational skills in a fast-paced, safety-focused environment.	
Federation of North American Explorers (FNE Member/ Leader/ Lifeguard)	Sep 2015 – Present
<ul style="list-style-type: none">Organized and led weekly activities, including team-building and outdoor survival skills.Planned activities that required managing resources and responding to unforeseen challenges, akin to real-world engineering problem-solving.Effectively mentored and motivated team members, showcasing interpersonal and leadership communication.	
Knights of Columbus (3rd Degree Knight)	May 2024 – Present
<ul style="list-style-type: none">Organized and led charitable events, including food drives and community outreach.Collaborated with members to plan and execute service projects efficiently.Promoted faith-based values through leadership and volunteer initiatives.	
Russel Aquatics, Camp Green Acres, FNE (Swim Instructor/ Lifeguard)	Aug 2022 – Aug 2024
<ul style="list-style-type: none">Tailored lessons to meet individual learning styles, showing adaptability and teaching skills—important for peer collaboration in engineering teams.Maintained a safe learning environment, which translates to attention to detail and safety in engineering practices.Worked with coworkers to run larger classes, highlighting teamwork in fast-paced environments.	

Education

University of Western Ontario	Certifications and Awards
Faculty of Engineering	<ul style="list-style-type: none">CWSA, SOLIDWORKS CAD Design Associate
Bachelor of Engineering Science – Mechanical Engineering	<ul style="list-style-type: none">Onshape, Assembly Design CompletionOnshape, Part Design CompletionProcter & Gamble Inc. Scholarship Award

Projects

Tornado Simulation	Jan 2024 – Apr 2024
<ul style="list-style-type: none">Collaborated with fellow engineering students in a team-oriented environment.Prepared progress reports, refining skills in clear and professional documentation.Design nominated as a candidate for tornado safety demonstration.	
AI in Medical Diagnosis Research	Sep 2024 – Dec 2024
<ul style="list-style-type: none">Researched applications of AI in healthcare, focusing on improving diagnostic accuracy and patient outcomes.Addressed concerns and presented solutions through essays, a newspaper article, and an infographic.Became familiar with industry standards and regulations (HIPAA, OHRP).	