

Rylan Prima

📞 647-382-1578 — 📩 rylan.prima@gmail.com — 💻 linkedin.com/in/rylan-prima — 🌐 rylanprima.vercel.app

Skills and Expertise

CAD Solidworks, AutoCAD, Onshape
Microsoft Office 365, Power Query, etc
Lang/ Software Java, Python, MATLAB
Woodworking Sawing, Drilling, Routing, etc

Skills Computational Methods, Project Management, Teamwork, Bilingual, Communication, Problem-Solving/ Improvisation, Data Collection, Analysis and Reporting

Relevant Experience

CAD (SolidWorks)	May 2025 – Aug 2025
- 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
- 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
- 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
- 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
- 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

Faculty of Engineering

Bachelor of Engineering Science – Mechanical Engineering

Certifications and Awards

- CWSA, SOLIDWORKS CAD Design Associate
- Onshape, Assembly Design Completion
- Onshape, Part Design Completion
- Procter & Gamble Inc. Scholarship Award

Projects

Tornado Simulation

- 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.

Jan 2024 – Apr 2024

AI in Medical Diagnosis Research

- 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).

Sep 2024 – Dec 2024