

Ryan Groot

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EDUCATION

Bachelor of Engineering (Mechanical), September 2024 - May 2029

University of Waterloo, Waterloo, ON

- President's Scholarship of Distinction

TECHNICAL SKILLS

- **Manufacturing and Fabrication:** CNC manufacturing, 3D printing, power tools, welding
 - **Mechanical Design:** SolidWorks (parts, assemblies, drawings, GD&T basics)
 - **Software:** Excel, C++, PowerFX
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WORK EXPERIENCE

Engineering Intern, September 2025 – December 2025

Greyter Water Systems, Burlington, ON.

- Designed and fabricated custom tooling that reduced assembly time and improved production repeatability
- Created SolidWorks models and dimensioned drawings for packaging components
- Supported engineering change processes by evaluating manufacturability and line optimization
- Developed and implemented quality assurance standards and production work instructions

Research and Development Intern, January 2025 – April 2025

Greyter Water Systems, Burlington, ON.

- Constructed and tested a developing greywater filtration treatment process for high-density housing projects
- Supported fabrication of a residential greywater manufacturing line through CAD and physical builds
- Collaborated cross-functionally to solve novel engineering and production challenges

Carpenter's Assistant - Skilled Trades, June 2021 – August 2024

Classic Carpentry, Mississauga, ON.

- Participated in full residential renovations involving framing, electrical, plumbing, and structural work
- Interpreted drawings and specifications to execute precise physical builds
- Developed strong fabrication skills, spatial reasoning, and on-site problem solving
- Built durability, safety awareness, and comfort with physical systems

Worship Service Coordinator, November 2022 – August 2024

ClearView Reformed Church, Oakville, ON.

- Compiled visual aspects of each Sunday morning church service
- Communicated with Worship Team to ensure services were to specification
- Worked independently to meet strict deadlines and developed attention to detail

Kitchen Staff, October 2020 – April 2024

Country Fish and Chips, Mississauga, ON.

- Balanced multiple tasks in high pressure scenarios to meet short term deadlines
- Developed skills in communication and customer service