

# Ryan Groot

(416) 317 2618 | [rgroot@uwaterloo.ca](mailto:rgroot@uwaterloo.ca) | LinkedIn: [Ryan Groot](#)

## 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

---

## 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