

LEANDER RODRIGUES

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(647) 984-7599
Nanotechnology Engineering

SUMMARY OF QUALIFICATIONS

- Experienced in both **dry and wet lab work**
- Well-versed in **technical document writing**
- Devoted, hard-working team member, excelling in self-regulation and commitment
- **Volunteered internationally** with the poor and disabled
- Fluent in **French**, both written and oral
- Working knowledge of HMI's and PLC usage in industry
- Academic lab experience in **circuit construction**, and related electrical components
- Passion for computer programming and coding
 - Experienced with: **Python, MATLAB, MS Office**
 - Proficiency in: **Java, JavaScript, HTML/CSS, VBA**
 - Familiar with: **C++, SQL**
- Extensive charity work with children, teens, and adults

INTENTION

I aspire to make my mark on this world, if not by exploring the latest advances in science and tech, then by creating them. My drive to be at the forefront of industry motivates me to ask questions, learn new things, and challenge myself to always take that extra step. Given the opportunity, I intend to prove myself by way of results, enthusiasm, and hard work.

EDUCATION

- Candidate for B.A.Sc. Honors Nanotechnology Engineering, *University of Waterloo, 2021*
 - Relevant Courses: **Chemical Principles**, Biochemistry, Organic Chemistry, **Computational Methods**, Computer Programming
 - Known for being the **most accelerated chemistry program** at the University of Waterloo
- Workplace Hazardous Materials Safety Certified, *University of Waterloo, 2021*

TECHNICAL EXPERIENCE

Manufacturing and Process Engineer *Mother Parker's Tea & Coffee Plant (2017)*

- Created standard operating procedures for equipment maintenance, and a detailed error log to reduce future downtime
- Oversaw the maintenance issues and operation times of the production line equipment
- Compiled weekly efficiency reports and statistical summaries of machine productivity
- Presented findings and analytics to upper management to identify weak areas for economic improvement

Finalist in Carbon Capture Design Pitch to Shell Canada *University of Waterloo (2016)*

- Gathered and organized extensive data from scientific studies on carbon dioxide capture and sequestration methods
- Designed an economically viable method of CO₂ capture with a proven scientific background
- Deemed to be amongst the Top 10 in the class by the professor and teaching assistants
- Earned the opportunity to present our carbon capture solution to Shell Canada reps flown in from Alberta

Honourable Mention at Toshiba's Exploravision Competition *Across Ontario (2015)*

- Ranked among the Top 5% of 10000 applicants for purposing a novel early cancer detection method
- Learned to research complex technical content by searching through scholarly lab reports, journals, and case studies
- Developed a detailed technical report surrounding the method with professional documentation
- Worked independently on research and collaborated as an effective team member to create the final report

COMMUNICATION EXPERIENCE

Editor/Writer for Iron Warrior Engineering Newspaper. *University of Waterloo (2016-17)*

- Received the Best First-Year Award for writing detailed articles on time, and taking on extra to meet the weekly quota
- Learned to multitask, juggling schoolwork, researching current events, and article deadlines on a weekly basis
- Developed an attention to fine detail through many hours of editing articles from various writers

Guest Services Representative *Erin Mills Town Centre Mall (2016)*

- Refined customer service abilities through frequent efficient and friendly encounters with staff and shoppers
- Mastered how to relay complex information to a guest in a dynamic work environment
- Handled inquiries effectively both over the phone and in person

VOLUNTEER EXPERIENCE

Builder/Painter for Project Outreach *Sosúa, Dominican Republic (2014)*

- Constructed a weather-resistant house for an impoverished family as part of a student team
- Mixed cement, laid bricks and painted the house as part of the outreach project
- Fundraised the whole trip as a student project, dedicating the money to travel, and hiring local contractors

General Compound Volunteer. *Kingston, Jamaica (2013)*

- Tasked with bathing and feeding those who were incapable of doing it themselves
- Comforted and supported the mentally ill through games, jokes, and stories
- Swept, washed, and mopped the compounds daily to provide the residents with a clean environment
- Reinforced my passion for charity work, while strengthening my communication skills on an international level

ACHIEVEMENTS

- President's Scholarship - *University of Waterloo (2016)*
 - Awarded for having an entrance average above 90.0 percent
- Academic Excellence Award - *St. Aloysius Gonzaga S.S. (2016)*
 - Awarded for maintaining Honour Roll Status throughout every year of high school
- Youngest 4th Degree Knight of Columbus - *Knights of Columbus-Ontario (2017)*
 - Awarded for having achieved the fourth arm of the organization, and displaying honour, chivalry and strong morals
- Provincial Executive of the Year - *Columbian Squires of Ontario (2015)*
 - Awarded for displaying professionalism, leadership and creating a friendly atmosphere while maintaining a good work ethic