

Jalal Galal

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EDUCATION

University of Toronto

BSc in Electrical and Computer Engineering.

Toronto, ON

Ongoing

TECHNICAL SKILLS

Experienced with the following skills:

- Programming Languages: Familiar with Python, C, and MATLAB.
- Software Proficiency: Experienced with Microsoft Office Suite.
- Customer Service: Experience in sales and customer relationship management.

PROJECTS

1. Low Water Level Alarm for Pet Dish, Project Designer, University of Toronto
 - Description: Engineered a versatile, low-cost alarm for pet dishes to ensure consistent water availability. Adaptable across multiple pet types and dish sizes.
 - Impact: Improved pet care and hydration; the design is currently in the commercialization process to reach a wider market.
2. Solar Radiation Reduction System, Project Designer, University of Toronto
 - Description: Developed an automated solution to reduce solar radiation in Robarts Common, enhancing comfort without sacrificing natural light.
 - Impact: Created a more comfortable study environment by effectively balancing natural light and temperature.
3. Breast Cancer Research Representation, Research Presenter
 - Description: Represented a pivotal research project at the 2022 UMST Faculty of Engineering activity for Breast Cancer Day, focusing on early detection of breast cancer using MATLAB to analyze mammograms.

EMPLOYMENT & VOLUNTEERING EXPERIENCE

uOttawa Richard L'Abbé Makerspace

Makerspace Volunteer

Aug 2024– Sept 2024

- Received training on lab equipment, including 3D printers and laser cutters.
- Maintained and operated 3D printers, ensuring they were in good working condition and assisting users with their projects.
- Underwent thorough product training to effectively communicate features and benefits to clients, leading to successful sales.
- Organized lab equipment and materials, facilitating a smooth workflow and efficient use of resources.
- Assisted in teaching workshops focused on 3D printing, providing support to students and helping them with their projects.
- Gained basic experience with laser cutting, contributing to the makerspace's activities

Unimed Pharmaceuticals

Assistant Operator

May 2022 – Sept 2022

- Assisted the machine operator in managing the compression machine line at Unimed Pharmaceuticals.
- Developed a strong understanding of compression machine operations through close observation and hands-on assistance.
- Required keen attention to detail and a rapid learning ability to grasp the technical aspects of the machinery.
- Demonstrated a consistent work ethic, a passion for learning, and a dedication to achieving results.

Business Model & Presentation Lectures

Guest Speaker

March 2023

- Led a workshop on entrepreneurial skills and effective communication for Hult Prize competitors.

ACTIVITIES & INTERESTS

Languages: English, Arabic

Activities: Volunteered at the UofT Powerlifting Championship 2023, UofT Soccer Intramurals

Interests: Powerlifting, Soccer, Travel