

MARCELINO ANTONIO CLEMENTE

SKILLS

Spoken and written languages

English | French | German | Portuguese | Spanish

Computer Knowledge

Windows | OS | Office | Solid Work | MATLAB

Industrial security

Certificate of QHSE Supervisor (Quality, Health, and Safety of the Environment)

WORK EXPERIENCE

MASTER'S DEGREE TYPE RESEARCH ESSAY-SHERBROOKE'S UNIVERSITY - CANADA

Mai 2022-December 2022

Goal: Investigate whether there is a correlation between the microstructural observations of the fiber-matrix interface of the different composite materials versus the drop in their properties (mechanical, optical, electrical, etc.).

Materials characterization techniques performed:

- Moisture absorption test.
- Differential Scanning Calorimetry (DSC) to measure Glass Temperature (T_g).
- Atomic Force Microscope (AFM) to observe the microstructure of materials and measure stiffness modules.

Date analyses:

- Establish relationships between material properties drops versus moisture absorption.
- Establish relationships between material properties drops versus microstructural changes in materials composites.

MANUFACTURING FACILITY – PPD GROUPE

January 2022-June 2022

Factory overlook: *The factory handles the manufacture of medical equipment using injection and compression molding fabrication techniques. Materials used more often are thermoset polymers.*

Tasks descriptions:

- Load the different molds with polymer in powder form.
- Ensure that the load is not contaminated (presence of undesirable residue).
- Load in the mold while respecting its geometry.
- Start the machines and monitor pressure, temperature, and cooling time evolution.
- Perform visual inspections on the parts obtained at each operation.

- Communicate with supervisors and report all anomalies during production.

CALL CENTRE – FORCE FOUNDATION OF THE UNIVERSITY OF SHERBROOKE

January 2022-June 2022

- Focus on the mission of the Force Foundation.
- Mobilizing resources from graduates, retirees, and University of Sherbrooke employees.

EDUCATION	Master’s degree in mechanical engineering	2021-2023
	Course oriented. University of Sherbrooke Canada	
	Master’s degree in material science	2018-2020
	Research-oriented. University of Science and Technology Houari Boumediene (USTHB) Algeria	
	Bachelor’s degree in mechanical engineering	2015-2018
	University of Science and Technology Houari Boumediene (USTHB) Algeria	
	Baccalaureate in Physical and biological sciences	2011-2013
	Eiffel de Ndalatando high school	
	<ul style="list-style-type: none"> • Angola 	

LEADERSHIP PRESIDENT OF THE STUDENT ASSOCIATION DURING MY COLLEGE STUDIES

- Selection of appropriate personnel for each functional area of the Association.
- Responsible for coordinating personnel for cultural, scientific, and sports activities.
- Plan and conduct impromptu and scheduled meetings.
- Spokesperson and representative of student interests.