

# Leandro Mongelluzzo

Waterbury, CT | [leandro.mongelluzzo@gmail.com](mailto:leandro.mongelluzzo@gmail.com) | (203)-709-0748

A recent graduated student pursuing a full time engineering position who is motivated, detail-oriented, and team-minded. Understands the challenge of overcoming personal challenges such as surviving cancer, school shooting aftermath, and adversity in academics like project setbacks. Naturally comfortable being a team player or team leader.

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## **EDUCATION**

### **University of North Carolina at Charlotte**

May 2022

- Bachelor of Science in Mechanical Engineering
- GPA: 3.35/4.0
- Dean's List: Spring 2019 and Fall 2021

## **Work Experience**

### **Engineering Intern, City of Waterbury, Waterbury, CT**

July 2022- Present

- Evaluated and filled in missing information for systems used by the city.
- Identified and located banner locations in downtown area.
- Sorted out permits and identified lots within city limits.

### **TA/Grader, Thermodynamics II, UNC Charlotte**

January 2022 - May 2022

- Graded Exams under the supervision of the professor.
- Provided Office Hours to ensure help for students.
- Answered questions from students through Office Hours or emails.

### **TA/Grader, Introduction to Heat Transfer, UNC Charlotte**

September - December 2021

- Assisted the professor with Homework and Exams grading.
- Graded Homework, Exams and imported grades.
- Engaged with students for homework help.

### **Summer League Head Coach, Holy Cross High School Girls' Soccer**

July - August 2021

- Identified and developed leadership skills in players.
- Defined pre-game strategy and implementation of individual roles to ensure team success.
- Informed assistant coach on strategy during each match.
- Delivered feedback and held players accountable for individual and team performance.

## **Engineering Projects**

### **Junior Design, Virtual Team Project**

January - March 2021

- Designed a remote controlled robot to engage blocks on a driving surface, to secure the blocks and place blocks on a 6" shelf.
- Operated the coding of robot to ensure three axis operation.

### **Junior Design, Individual Project**

March - April 2021

- Started an Instrumentation Project with a sensor and a display.
- Developed a Temperature and Humidity Display with a sensor and LEDs to indicate temperature and humidity values.

### **Instrumentation, Internet of Things Project (IOT)**

October - December 2020

- Operated a project using a Particle Argon.
- Devised a device to identify when a trashcan is full using LEDs and Ultrasonic Sensors.

## **Skills and Interests**

- Technical: AutoCAD, Revit, MS Project, SolidWorks, PTC Creo Parametric, Arduino, HTML Coding, Manual Lathe Machining, ArcGIS
- Conceptual: Active Listening, Decision-Making, Critical Thinking, Data Analysis, Problem-Solving
- Soft Skills: Leadership, Team Player, Work Ethic, Self-Motivated, Time Management
- Interests: Formula One, Moto GP, Soccer, Mixed Martial Arts, Ice Hockey, Basketball, Jigsaw Puzzles