# Daniella Donn

Contact Info | 914-413-3898 | Danielladonn@gmail.com

**Objective**

Seeking full-time position as a Manufacturing/Automation and Robotics Engineer. Have experience with Automation and Robotics, Programming, C.A.D. and C.A.D. Drawings.

**Education**

Rochester Institute of Technology - Rochester, New York
Bachelor of Science - Mechanical Engineering Technology - Expected Graduation: May 2023
GPA: 3.09 - Dean's List: Fall 2020, Fall 2021, Spring 2023

**Employment**

Jabil - Manufacturing Engineering CO-OP (July 2022 – January 2023)

- Worked with computer vision by teaching myself python and machine learning on a raspberry pi to detect defects on products.
- Optimized a probing program run by a CNC Mill using G-code to limit tolerance errors made by the CNC Mill.
- Designed trays through Creo for operators to easily identify an inspected part and keep track of lot.
- Created a machine and cell locator by learning excel visual basic to help employees locate a machine in the plant.

Acuity Polymers - Mechanical Engineer (February 2021 - August 2021)

- Created contact lenses and buttons (contact lens templates) using a CNC lathe.
- Designed manufacturing plans for contact lenses.
- Helped design an automatic system for cast molding to increase production on contact lenses.

**Projects**

Probe Detection - Jabil (August 2022 – October 2022)

- Optimized a probing program with G-code to measure a slot on parts to prevent oversized threaded holes, over tolerance material going into the CNC Mill, and created alarms for operators to investigate errors.

Tab Detection - Jabil (July 2022 – January 2023)

- Used computer vision with python on a raspberry pi to create a tab detector which scans a finished machined part and detects tabs that have not been buffed.

Automatic Disk Launcher (January 2022 - May 2022)

- Group project - Created an automatic disk launcher that shoots a disk at a target. Group of 4 oversaw all steps of design and manufacturing utilizing Solid-Works to design the launcher.
- Responsible for calculating for a specific motor and output power and wire diagrams.

Conveyor Sorter System (March 2023 - April 2023)

- Created a PLC program on studio 5000 to simulate a conveyor sorting system for products being manufactured.

**Skills, Certifications and Clubs**

CAD: SolidWorks, Creo
Programming: Python, RoboGuide, Robostudio, MATLAB, Excel Visual Basic, PLC Programming
Engineering Software: Autodesk Fusion 360, FEA, Automation Studio, EES, Studio 5000, Quartus Primer
Certifications: FANUC CERT HandlingTool Operations and Programming, SIX SIGMA GREEN BELT
Chabad (club): Jewish Life Club on campus, helped create and organize events for greater RIT community.