**Daniella Donn**

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# 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.