**Daniella Donn**

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# Objective

Seeking a co-op position for Summer - Fall 2022 to gain experience in automation programming, manufacturing processing, and CAD.

# Education

Rochester Institute of Technology - Rochester, New York Expected Graduation: May 2023 Bachelors of Science - Mechanical Engineering Technology

GPA: 3.0 - Dean’s List: Fall 2020, Fall 2021

Coursework: Mechanical Analysis and Design, Robotics and Automation, Fluid Mechanics, Thermal Fluid Power,

Manufacturing Processes, Machine Tools Lab, Design Dimensioning & Tolerancing, Applied Finite Element Analysis

# Employment

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 lens. Helped to design an automatic system for cast molding.

RIT Dining Services - Student Employee (Fall 2021 – Present)

Taking customer’s orders and preparing food as a cashier and line chef

# Projects

Automatic Disk Launcher (January 2022 – Present)

Group project - Creating an automatic disk launcher that shoots disk at set target, then searches for fallen disks on the ground and reloads it into the system to launch for continuous self-reloading. Group overseeing all steps of design and manufacturing, utilizing Solid-works to design machine, calculations for specific motor and output power on launcher, and use of sensors and programmed Arduino to detect target and launch disks at various speeds.

Hot Wheelz – Controls Group (Fall 2021 – Present)

Designing CAD files of PCB Boxes for the Solar Car. Working with team to create a driver UI utilizing Python on embedded Raspberry Pi. Self-teaching python and circuitry to assemble controls on solar Vehicle.

Assembly Design (March – April 2019)

Group Project - Used SolidWorks to design and model a multipart, portable screwdriver. Responsible for assembling the screwdriver, modeling 3 out of the 9 main components, and creating the final drawings of components.

Fire Fighter Robot (October - December 2020)

Group Project – Designed a fluid power system for a firefighting robot using automation studio to simulate hydraulic circuit and EES to perform calculations to find motor type and specific pressure needed.

**Skills &** **Certifications**

CAD: SolidWorks, Autodesk Fusion 360

Programming: Arduino, Roboguide, Robostudio, Automation Studio, EES, MATLAB Statistics/Analyzation: RStudio, JMP Pro, F.E.A.

Certifications: FANUC CERT HandlingTool Operations and Programming

**Activities**

Chabad - Vice President (Fall 2020 – Present)

Organizing and setting up events for upcoming Jewish holidays and recruiting from the student body.