**Daniella Donn**

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# Objective

Seeking a co-op position for Summer - Fall 2022 to gain experience in the Mechanical Engineering field in order to expand my knowledge on automation programming, manufacturing processing, and CAD.

# Education

Rochester Institute of Technology - Rochester, New York Expected Graduation: May 2023 Bachelor 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

# 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

# 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 Dinning Services - Student Employee (Fall 2021 – Present)

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

# Projects

Air Engine (September - December 2018)

Created a pressurized air engine composed of self-manufactured parts utilizing a lathe and a mill.

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.

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.

# Activities

Chabad - Vice President (Fall 2020 – Present)

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

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.