RACHEL GARDINER

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Portfolio: https://rachelgardinerportfolio.godaddysites.com/

PROFILE

Fourth-year mechanical engineering student seeking a position where I can apply analysis, design, and technical skills to new projects or existing product development. I will be a dedicated, valuable addition to your engineering team.

EDUCATION

BOSTON UNIVERSITY **EXPECTED GRADUATION- MAY 2024**

Bachelor of Science Degree, Mechanical Engineering

Current GPA– 3.87

Dean's List– Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023

EXPERIENCE

R&D SYSTEMS INTERN | SONOVIA LTD **JUNE – AUGUST 2023**

- Worked on modifying and improving the pilot of a sustainable denim-dyeing machine.
- Designed fixtures for sensors, rollers, and other machine components for 3D printing and machining.
- Performed small-scale machining to fix existing parts and construct new machine elements.

DESIGN ENGINEERING INTERN | PRATT & WHITNEY **JUNE – AUGUST 2022**

- Worked as a design engineer on commercial jet engines in the GTF High Pressure Compressor group.
- Analyzed models using finite element analysis, 3D measuring in GOM, and NX motion models.
- Completed calculations for standard work and safety documents on three engineering changes.

MECHANICAL ENGINEERING INTERN | THE LEE COMPANY **MAY – AUGUST 2021**

- Worked on miniature check valves, flow controls and shuttle valves as a project engineer.
- Completed flow testing, analyzed data, and drafted technical reports and engineering specifications.
- Operated industrial CT scanner and optical microscope for part failure investigations.

KEY SKILLS

LEADERSHIP

- Organized networking event for female STEM students as a volunteer at BU Hillel in March 2021.
- Assumed leading roles in multiple engineering group projects.

TECHNICAL COMPETENCIES

- Proficient in Solidworks, NX, Simcenter Nastran, C, and MATLAB.

References available upon request.