Sara Sullivan

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Education

Wentworth Institute of Technology | Boston, MA   **Expected Graduation: June 2027**
Bachelor of Science in Mechanical Engineering

Relevant Courses: Engineering Statics, Mechanics of Materials, Thermodynamics I and II, Design of Machine Elements, Fluid Mechanics, Circuit Theory and Application, Engineering Graphics

Experience

ARC Industries | Boston, MA   **May 2025-August 2025**
Engineering Intern
- Designed and manufactured components to resolve mechanical issues in a sustainable rooftop wind turbine prototype.
- Programmed CNC toolpaths in Fusion 360 that focused on machining efficiency and accuracy.
- Manufactured precise parts using a HAAS CNC and a Flow waterjet.
- Analyzed design failures and implemented manufacturing solutions to overcome prototype obstacles.
- Collaborated with engineers in a startup environment to produce high-tolerance components and work through the prototyping process.

CVS Health | Boston, MA   **July 2022-Present**
Pharmacy Technician
- Accurately fill prescriptions in a high-volume, fast-paced environment, ensuring patient needs are met.
- Assist patients in person and over the phone by resolving concerns and clarifying medication instructions.
- Work with pharmacists, doctors, and insurance providers to resolve third-party claim issues.
- Effectively complete tasks while complying with state-regulated standards in a deadline-focused workplace.

Skills

- Software: Fusion 360 (CAD & CAM), SolidWorks, Microsoft Excel
- Manufacturing & Engineering: CNC machining, computer aided manufacturing (CAM) toolpathing, waterjet cutting, 3D printing, prototyping, mechanical troubleshooting
- Professional: Fast-paced teamwork, problem-solving, communication with team, working in a high-pressure environment.

Projects

Accessible Spring-Loaded Pill Dispenser
Wentworth Institute of Technology
- Designed a spring-loaded pill dispenser in SolidWorks for those with limited dexterity with the goal of dispensing one pill per action.
- Created a SolidWorks assembly to properly demonstrate the design with appropriate constraints and relations.
- Produced an engineering drawing within SolidWorks to show various views and dimensions.