



Jesse Santoro

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Objectives

I am a current junior at Keene State College studying Manufacturing Engineering & Product Design. I am currently seeking internship opportunities for the summer of 2026. I'm a great problem solver who works well in a highly collaborative environment, perpetually curious and always looking for my next challenge. I not only possess the engineering knowledge required to design robust, well-rounded products, but also have hands-on experience in CAD design, rapid prototyping, and various manufacturing processes. These skills allow me to bring those designs to life whilst prioritizing manufacturability.

Education

Keene State College: Junior GPA 3.73 Expected Graduation December 2026

Major: **Sustainable Product Design & Manufacturing Engineering B.S**

Technical Skills

<p>Engineering Design & CAD</p> <ul style="list-style-type: none"> • SolidWorks (CSWA Certified) , • Design of parts and mechanical assemblies • Tolerance specification for fabrication • Engineering simulations <p>Rapid Prototyping & Fabrication</p> <ul style="list-style-type: none"> • Design for 3D printing (CAD and slicers) • Knowledge of BOSS / ULS laser cutter systems • Mill and Lathe Experience • Casting Experience (Mold Design & Production of Parts) • Knowledge of materials, manufacturing processes, and testing methods 	<p>Sustainability</p> <ul style="list-style-type: none"> • Sustainability analysis using the Sustainable Minds platform • Hands-on experience with sustainable product design principles <p>Software & Data Analysis</p> <ul style="list-style-type: none"> • Adobe Creative Suite (Photoshop, Illustrator) • Microsoft Office (PowerPoint, Word , Excel) • Statistical data analysis using Excel • MATLAB
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Projects

<p>Tablet Stand Design Project (SOLIDWORKS Simulations) Conducted SolidWorks simulations to analyze applied forces and determine necessary design modifications, final Materials, and final manufacturing processes.</p> <p>Mechatronics Organization System Project Created a system of modular storage containers that combine to store electronic components effectively and efficiently while still allowing for portability Conducted user research / Interviews to determine user needs and design requirements</p>	<p>Lamp Design Project Made use of sustainably sourced materials to design and construct a desktop lamp Integration of electronic systems into products</p> <p>Ergonomic Handle Project Designed a better saw handle for use in cold environments where gloves are required Improved upon existing handle design taking ergonomic principles into account</p>
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Work Experience

Ben Franklin Inc.

Assistant Manager [1 Year] 2022-2023

- Supported daily store operations and staff management
- Responsible for closings, openings, inventory, and customer service
- Conducted training for new employees

Ben Franklin Inc.

Cashier [2 Years] 2020-2022

- Provided customer service and handled transactions accurately
- Maintained organized and efficient point-of-sale operation

Campus Involvement

Society of Manufacturing Engineers / Sustainable Product Design & Innovation Club

