

Summary

Mechanical Engineering student, with experience in leadership and communication due to previous engineering projects and Student Government leadership positions. Proficient in engineering design, CAD modeling, and project management

Contact

Phone

609-707-4672

Email

tyler.c.belvin@gmail.com

Education

Rowan University

Bachelors degree in Mechanical Engineering (ongoing)
Expected Graduation - May 2026

Rowan College of South Jersey (RCSJ)

Graduated Aug 2024
Associates Degree in Engineering Science

Systems

Experience

- SOLIDWORKS (CSWA certified)
- Fusion 360
- Autodesk Inventor
- Onshape
- AutoCAD

Tyler Belvin

Mechanical Engineering Student

Leadership / Work Experience

Engineering Internship

Ardagh Glass Packaging

May 2025 - August 2025

- Revised the plants site map using AutoCAD, adding new areas of the plant, and incorporating safety features such as fire extinguishers, medical equipment, and emergency exit routes
- Designed a dump gate for glassware to improve safety and handling compared to previous design
- Created Lockout Tagout procedures for many plant systems to improve safe working procedures
- Presented on my accomplishments during the internship to a corporate group, including the President and CEO of the North American division of the company

Math Tutor

Rowan College of South Jersey

Sep 2024 - May 2025

- Tutored college students in a variety of math and engineering disciplines
- Further developed personal skills in mathematics by consistently tutoring various subjects
- Strengthened communication and problem solving skills through one-on-one and group sessions

President and Vice President

Student Government Association (SGA) at RCSJ

Sep 2022 - May 2024

- Spearheaded events both on and off campus, boosting student engagement through activities and charitable fundraisers
- Rebuilt the SGA post-pandemic by recruiting and leading a group of up to 12 student representatives
- Raised money for several charity organizations, reaching a minimum of \$300 for each fundraiser
- Presented publicly to the colleges board of trustees, reporting on the performance of the SGA

Involved Projects

Self Sustainable NJ Energy: Rowan University Junior Year

Studied and Predicted Future needs of the New Jersey Energy System

- Collaborated as a team with 1 other engineering student
- Researched and studied the NJ energy system including its reliance on other states to supply energy
- Predicted what would be required of clean energy sources to fill the energy deficit including cost and space required
- Wrote a detailed report on the Energy System of New Jersey and how a Self Sustainable Future can be met

Parametric Design: RCSJ Sophomore Year

Construct and test bottle rockets incorporating parametric design

- Collaborated as a team with 3 other engineering students
- Designed and constructed multiple fins for the rockets
- Conducted tests on multiple parameters of the rockets
- Presented to an audience of peers on the process of designing/testing and the results of the rocket
- Created a report highlighting key aspects of the project

Drone Company & Design: RCSJ Sophomore Year

Created the frame for a drone, and drafted a company pitch

- Collaborated as a team with 2 other engineering students
- Designed and modeled the frame for a drone
- 3D printed frame, assembled and tested full drone
- Drafted and presented a pitch to an audience of peers on a potential company using drones
- Created and presented a technical presentation on specific parts of drones to an audience of peers