

# 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

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# 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