Mechanical Engineer

Williston, VT | mengineer@uvm.edu | www.linkedin.com/in/mechanical-engineer | 802.123.4567

EDUCATION

Bachelor of Science in Mechanical Engineering — **Burlington, VT**
University of Vermont — *Class of 2027*

- Cumulative GPA: 3.93/4.0
- Member of the National Honorary Engineering Society — Tau Beta Pi
- **Relevant Course Work:** Advanced Drafting, Control Systems, Machine Shop, Microcontroller Systems, Comp Sci I-II (Python/Java), Thermodynamics, Mechanics of Solids, Modern Manufacturing Processes

Bachelor of Arts in Mechanical Engineering — Minor: Math and Art & Design — **Colchester, VT**
Saint Michael's College — *Class of 2026*

- Cumulative GPA: 4.0/4.0 — Dean's List (2022-Present) — Calculus Achievement Award
- Member of the National Honorary Mathematics Society — Pi Mu Epsilon
- Member of National College Student Athlete Honor Society — Chi Alpha Sigma

EXPERIENCE

Coldest Beer Works — **Colchester, VT**
Mechanical Engineering Intern — *May 2024 – Aug 2025*

- Operate and maintain automated canning and kegging machinery from system setup and calibration to shut down and cleaning, ensuring consistent and efficient daily production
- Troubleshoot and repair mechanical and pneumatic systems on the canning line, diagnosing air pressure and component issues to minimize downtime and product loss
- Design and implement mechanical improvements, including fabricating a custom spacer for the can Depal and installing a temperature readout display to enhance process efficiency and control
- Collaborate with production and maintenance teams to streamline workflows and train new employees in safe and effective operation of automated equipment

Motion Tracking Turret (Arduino) — **Burlington, VT**
Scanning and Target Locking through Ultrasonic Sensor — *2025*

- Designed and implemented a dynamic motion-tracking target locking turret utilizing real-time signal processing
- Extensive learning within **Arduino**, **Control Systems** and **MATLAB** through system integration

3D Marble Sculpture (SolidWorks) — **Burlington, VT**
Collaborative 3D printed Marble Run — *2025*

- A semester-long project with a focus on part design, fabrication, and precise component assembly
- Extensive learning within **SolidWorks**, the **Engineering Design Process**, and **Team Communication**

Phase and Gain Shift Analysis (Python & Differential Equations) — **Colchester, VT**
Computational Modeling of Dynamic System Response Paper — *2023*

- Modeled, Visualized, and Analyzed system input-output relations, gain, phase shift and transient behavior • Extensive learning in **Python** and **Differential Eq's** linking theory to real-world audio and control applications

LEADERSHIP & SKILLS

Cross Country Team Captain — **Colchester, VT**
Saint Michael's College — *Aug 2024 – Present*

- Elected captain two years in a row to lead a 22-member collegiate race team, overseeing team operations, communication, and coordination between athletes and coaching staff
- Developed and implemented improved communication and logistical systems to manage travel, training, and competition schedules, increasing overall team efficiency, organization, and preparedness
- Organize team events and practices while fostering team cohesion, inclusion, and positive team dynamics through mentorship and conflict resolution

Computer Skills*:* SolidWorks, MATLAB, Arduino, Python, Java, R, AutoCAD, OnShape, Adobe CC, MS office