

DYLAN ROLON

Neshanic Station, NJ 08853 | 908-303-7523 | dylan.rolon@tufts.edu | LinkedIn

EDUCATION

Tufts University

Bachelor of Science in Mechanical Engineering

Medford, MA

Expected May 2027

TECHNICAL SKILLS

- **CAD:** SolidWorks, AutoCAD LT, OnShape
- **Engineering:** Technical Documentation, Structural Analysis, Data Management
- **Programming:** MATLAB, Arduino/Raspberry Pi
- **Software:** Microsoft Office Suite (Word, Excel (Macros), PowerPoint, Outlook)

PROFESSIONAL EXPERIENCE

Mechanical Engineering Intern

May 2025 – Aug 2025

Evapco Dry Cooling

Bridgewater, NJ

- Contributed to the design and development of large-scale mechanical systems by creating and modifying subassembly drawings and 2D models in AutoCAD LT.
- Authored and maintained critical technical documentation, including preliminary calculations, component datasheets, and part lists to support procurement and manufacturing teams.
- Verified design specifications and project documents for accuracy by cross-referencing P&IDs with mechanical drawings to ensure interdisciplinary consistency.
- Assisted project managers with schedule coordination and deliverable tracking, helping to maintain project scope and ensure key milestones were met on time.

Mechanical Engineering Intern

May 2024 – Aug 2024

Evapco Dry Cooling

Bridgewater, NJ

- Designed mechanical components in AutoCAD LT and collaborated with manufacturers to ensure technical drawing accuracy.
- Managed key project documents in Excel; developed macros to streamline workflow organization and improve efficiency.
- Analyzed client feedback and past project outcomes to identify design refinements and optimize team workflows.
- Facilitated the renewal of NDAs with the procurement team, ensuring company compliance with legal and contractual obligations.

Camp Counselor

Jun 2023 – Aug 2023

Branchburg Recreational Department

Branchburg Township, NJ

- Ensured the safety and well-being of campers by supervising group activities and enforcing camp rules.
- Organized and led engaging recreational and team-building activities tailored to various age groups.

LEADERSHIP & ACTIVITIES

Engineers Without Borders, Tufts University Chapter

President

May 2025 – Present

- Direct all chapter operations, guiding strategic direction and accountability for 150+ members.
- Chair executive board meetings and serve as the primary liaison to Tufts administration.
- Mentor project leads and committee chairs, fostering leadership development and a collaborative team culture.

Fundraising Chair

May 2024 – May 2025

- Directed a small team to plan and execute creative, community-focused fundraising events.
- Built partnerships with alumni, local businesses, and campus organizations to secure donations.