

Aidan J. Mulvey

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OBJECTIVE

To secure a summer 2026 internship prior to returning to complete a Master of Engineering in Aerospace Engineering.

EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Bachelor of Science, Mechanical Engineering

Expected May 2026

Master of Engineering, Aerospace Engineering

Expected Dec 2026

GPA: 3.57; Dean's List, Fall 2023, Spring 2024, Fall 2024, Spring 2025, Class of 1983 Scholarship

Courses: Thermodynamics, Fluid Mechanics, Dynamics, Statics, Heat Transfer, Propulsion, Spaceflight Mechanics

PROFESSIONAL EXPERIENCE

Atlantic Casting & Engineering, Clifton, NJ

Product Engineer Senior Intern

May-Aug 2025

- Worked with engineering team to ensure the procurement and on-time delivery of 300+ part orders totaling \$15+ million dollars
- Created 10+ 3D models in SolidWorks for customers based on dimensioned engineering drawings
- Operated complex and expensive machinery including CMM and 3D scanner to check critical measurements for customers
- Created and modeled 3D design to enter Investment Casting Institute Student Casting Contest

Product Engineer Intern

May-Aug 2024

- Worked closely with engineering and sales teams to generate costing and deliver 25+ finalized quotes to partners to bring new business totaling \$10+ million
- Created accurate 3D models of parts in SolidWorks during the rapid prototyping stage
- Collaborated with 20+ suppliers to fulfill requests and requirements for different parts and product lines
- Inspected and marked 500+ parts to carry out vital customer requests

Quality Engineer Intern

May-Aug 2023

- Managed and coordinated machine shop activities for major supplier of aerospace and other components
- Fulfilled hundreds of orders for critical engineering companies and suppliers totaling \$2+ million
- Worked in quality control and conducted reports and certifications for APQP according to AS9100
- Trained in the numerous processes for the casting and machining of engineering parts

PROJECT EXPERIENCE

CUSail, Cornell University, *Mechanical Subteam Lead*

May 2025-Present

- Lead 20+ person mechanical subteam to deliver a fully autonomous working sailboat each year to bring to competition
- Winner of 2025 SailBot International Robotic Sailing Regatta
- Design and manufacture mechanical components for the autonomous sailboat design of 40+ person team
- Create an advanced mechanical design to improve the engineering of the boat throughout the design process
- Organize and manage ~\$20,000 budget across three integrated subteams

LEADERSHIP EXPERIENCE

Men's Club Lacrosse at Cornell, Cornell University, *Vice President*

May 2025-Present

- Coordinate logistics and plan expenditures and scheduling for club
- Continuously improve club outlook and act as spokesperson for team
- Lead the club and organize 50+ practices and events per year
- Manage budget totaling ~\$10,000 per year and maintain bottom line of club for years to come

CAMPUS INVOLVEMENT

CUSail, Cornell University, *Mechanical Subteam Member*

Sep 2024-Present

Men's Club Lacrosse at Cornell, Cornell University, *Treasurer*

May 2024-May 2025

Cornell University Athletic Department, Cornell University, *Event Staffer*

May 2024-Present

Emerson Manufacturing Lab, Cornell University, *Machine Shop Trainee*

May 2024-Present

Men's Club Lacrosse at Cornell, Cornell University, *Sergeant-at-Arms*

May 2023-May 2024

SPECIALIZED SKILLS

Programs: AutoCAD, MATLAB, SolidWorks, Fusion 360, Python, Excel, C++, ANSYS, 3D Printing

Languages: Spanish (fluent, New Jersey State Seal of Biliteracy)