

AIDAN MULDOON

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OBJECTIVE:

I am a motivated Mechanical Engineering student seeking to apply and build upon my current engineering skills via an internship position.

EDUCATION:

University of Connecticut, Storrs, CT

- GPA: 4.00
- Pursuing a BS in Mechanical Engineering – Expected graduation: May 2026

Xavier High School, Middletown, CT

- GPA: 3.87
- Earned the Brother Celestine Medal (Highest academic award at Xavier)
- Relevant coursework: Mechanical Engineering, Aerospace Engineering, AP Physics 1

ENGINEERING EXPERIENCE:

Designed and built robots for FIRST robotics FTC and FRC competitions, September 2018 – June 2022

- Led a FIRST Technology Competition team in developing four robots for competitions (#2 team in state in 2022)
- Gained valuable experience in learning how to approach problems and adapt solutions in a group setting
- Learned how to utilize SOLIDWORKS and other CAD software to optimize the design process

Designing and building a formula style race car with the UCONN SAE team, September 2022 – Present

- Expanding my SOLIDWORKS skills through more complex design tasks
- Began the process of learning ANSYS with a goal of being proficient by the end of the school year
- Gained exposure to higher-level engineering challenges and the processes associated with them:
 - Utilizing structural analysis software to validate designs
 - Analyzing complex rule guides and working around strict sets of constraints
 - Applying high precision machining and measurement techniques to construct complex structures from CAD models, such as the frame of the race car
 - Using CFD and thermal simulation software to gain insights on systems optimization

RELEVANT STRENGTHS:

- High attention to detail
- Motivated to learn and improve
- Experience with facilitating communication among teams

COMPUTER SKILLS:

CAD: SOLIDWORKS, Fusion 360; Analysis: ANSYS; Programming: Python; Data: Microsoft Excel

EMPLOYMENT EXPERIENCE:

Marlborough Tavern, Marlborough, CT, Dishwasher, April 2020 – January 2023

Dunkin Donuts, Columbia, CT, Crew member, May 2022 – August 2022