Patrick Iannetta

Mechanical Engineering Student | (203) 482-5431 | Patrick.Iannetta@uconn.edu| Danbury, CT

Career Profile

Mechanical Engineering student with experience in SolidWorks, Fusion 360, PTC Creo, NX, ANSYS Workbench, LabVIEW, MATLAB, Simulink, and Python. Extensive expertise in designing, testing, and fabricating rocket components through 3D printing. Passionate about innovation and problem solving.

Skills and Activities

- Extensive experience designing with CAD software including SolidWorks, Fusion 360, PTC Creo, and NX. Numerous detailed mechanical designs, including model rocket components such as landing legs and launch pads.
- Experience 3D modeling and creating technical drawings of RF connector assemblies using PTC Creo

Experience

American Institute of Aeronautics and Astronautics Propulsive Landing Team | 9/22 – Present

- Designed and fabricated landing legs for a model rocket utilizing SolidWorks. The construction process involved careful consideration of weight and durability to guarantee their ability to withstand the impact of landing, even when angled up to 5 degrees from the vertical.

Amphenol RF Applications Engineering Intern | 5/23 – 8/23

- Collaborated with a cohort of interns and engineers to identify RF connectors that required special testing in order to adhere to industry standards.
- Constructed cable assemblies and executed pull tests to ensure RF components performed as outlined in their technical drawings.

School of Engineering Projects

UConn Senior Design Project | 8/23 – Present

- Collaborating with a team of engineering students and sponsors to develop a multi-axis retrieval system for a vending machine capable of lifting a maximum weight capacity of 10 pounds.

Leadership Experience

University of Connecticut Propulsive Landing Team Lead | 8/23 – Present

- Responsible for overseeing over 20 projects involving the design and manufacturing of model rocket components.

Amphenol RF Legacy Project Team Lead | 5/23 – 8/23

- Collaborated with fellow interns with the goal of allocating, assembling, and testing 273 legacy parts with the ultimate objective of preparing them for resale to customers.
- Organized and lead weekly progress update meetings with management regarding project developments.

Education

University of Connecticut | May 2024

- Major: Mechanical Engineering
- GPA: 3.45