Bryce Quinton

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OBJECTIVE

Seeking a co-op or internship in the United States to apply my technical expertise and prior experience toward advancing innovative space exploration and propulsion technologies within a dynamic engineering team.

EDUCATION

University of Wisconsin - Madison **Graduation: Spring 2026**
B.S. Engineering Mechanics and Aerospace *Madison, WI*

- Awarded Deans's List: 4 semesters

WORK EXPERIENCE

Collins Aerospace **January 2024 – August 2024**
Project Engineer, Co-op *Rockford, IL*

- Developed an original MATLAB script that enhanced the efficiency of final assembly test data processing for the F135 Dual Vane Pump, achieving a 20-fold reduction in processing time.
- Analyzed and compiled data to uncover the root cause of a 10-year investigation on the F135 Dual Vane Pump.
- Formulated over 20 engineering design changes to jet engine pumps, gearboxes, and air turbine starters.

Wisconsin Union **April 2023 – Present**
Building Manager *Madison, WI*

- Assume responsibility for the safety and security of all Wisconsin Union properties.
- Utilize strong problem-solving, independence, and communication skills.

Garden Pub & Grille **April 2017 – August 2022**
Head Chef *Pepin, WI*

- Demonstrated exceptional leadership skills in managing the kitchen for both quality and efficiency.
- Requires keen focus, effective communication, delegation of tasks, and a strong work ethic.

LEADERSHIP EXPERIENCE

American Institute of Aeronautics and Astronautics Club **September 2023 – Present**

- Obtained a level 1 high-powered rocket certification through Tripoli Wisconsin.
- Designed a level 2 high-powered rocket, equipped with a dual deployment recovery system.
- Collaborated to fabricate a level 3, high-powered model rocket for the Spaceport America Cup.
- Designed the CAD model for 3D printed air brakes to precisely predict the apogee of flight.

Wisconsin Rocket Labs **September 2023 – Present**

- Improved safety and reliability of propellant transfer with a quick-disconnect tower design for hybrid engines.
- Manufactured a preliminary design for a liquid-liquid rocket engine ignitor.

Private Pilot's License **February 2024 – Present**

- Pursuing a Private Pilot's License to better understand the collective intricacies of aviation.

University of Wisconsin Men's Rugby Team **January 2022 – Present**

- Dedicated 30 hours per week to training to compete at the D1A Collegiate Rugby level.

SKILLS

- Highly proficient in MATLAB, Solidworks, Microsoft Excel, and Microsoft Word
- Knowledgeable in Python, Altair Inspire, and OpenRocket