Bryce Quinton

www.brycequinton.com
brycequinton24@gmail.com || (715) 645-0664

OBJECTIVE

Seeking a full-time position 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 Honor List: 5 semesters

WORK EXPERIENCE

Collins Aerospace **June 2025 – December 2025**
Structural Dynamics Engineer, Co-op *Rockford, IL*

- Joining the New Product Introduction team for pumps, gearboxes, and air turbine starters with both military and commercial jet applications.

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: *Building Manager, Madison, WI* **April 2023 – Present**

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

LEADERSHIP EXPERIENCE

Wisconsin Space Program (WiSP) **September 2023 – Present**

- Manufactured WiSP's first liquid rocket engine in preparation for static testing.
- Improved safety and reliability of propellant transfer with a quick-disconnect tower design for the liquid engine.
- Collaborated to fabricate a level 3, high-power rocket for the Spaceport America Cup.
- Designed the CAD model for 3D printed air brakes to precisely predict the apogee of flight.

Personal Projects **September 2023 – Present**

- Developed and integrated thrust vector control software in C++ with flight hardware.
- Designed and manufactured a level 2 high-power rocket, equipped with a dual deployment recovery system.
- Obtained a level 1 high-power rocket certification through Tripoli Wisconsin.

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 – January 2025**

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

SKILLS

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