

Spencer Breslyn

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EDUCATION

University of Maryland, Aerospace Engineering major

College Park, MD, 2024-2028 (predicted)

- Clark Legacy Scholar 2024-2026 (predicted)
- College Park Scholars Program: Environment, Technology, and Economy 2024-2026 (predicted)

Rockville High School, Cumulative unweighted GPA of 3.93

Rockville MD, 2020-2024

- AP (2020-2024) and IB (2022-2024) student
- Completed PLTW (Project Lead The Way) pathway, excelling in all courses, including Aerospace Engineering, Engineering Design and Development, Principles of Engineering, and AP Physics

WORK EXPERIENCE

Farmer's Market Employee, Scenic View Orchards

Sabillasville, MD, 2022-

Responsible for setting up, sales, restocking, and packing up.

Building valuable people skills through socializing with customers, making them feel welcome to our fruit stand.

Building up math skills by performing basic functions in order to calculate total costs for each customer.

PROJECTS

L1 Rocket, University of Maryland College Park ENAE100

College Park, MD, 2024

Designed an L1 rocket with an apogee of 2,000 feet, made sure that an egg inside the nose survives landing, and included a GoPro in the rocket body. Designed a new innovative shape for body fins on our rocket.

Developed rocketry, OpenRocket, CAD, and 3D printing skills, as well as aerodynamic and physics knowledge.

ENES 100 OTV Project, University of Maryland College Park ENES100

College Park, MD, 2024

Designed an over terrain vehicle that was required to complete multiple tasks in under 5 minutes.

Served as the CAD lead for my team, completed large amounts of CAD and offered CAD guidance.

Learned how to use tools that will become useful in my daily career life (drills, soldering, 3D printers, etc).

Engineering Design and Development Project, Rockville High School Engineering

Rockville, MD, 2023-2024

Created an innovative solution to mud clogging up soccer/football/lacrosse cleats, involving tearing off plastic sheets that pull the mud off of the sole of the cleat.

Developed CAD skills, laser-cutter skills, physical work skills, and my understanding of the engineering process.

EXTRACURRICULARS

AIAA (American Institute of Aeronautics and Astronautics, University of Maryland

College Park, MD, 2024-

Attending social events and lectures from important individuals within the aerospace engineering community.

Building community through interactions with my fellow aerospace focused peers.

Chi Phi Fraternity, Rush Chair (2025-2026) University of Maryland

College Park, MD, 2025-

Engaging in brotherhood through the cherished values of Truth, Honor, and Personal Integrity.

Developing social skills and networking capabilities through brotherhood events and philanthropy.

SKILLS

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- | | | |
|-----------------------|--------------------------|-------------------|
| • Autodesk Fusion 360 | • Microsoft Excel/Office | • Team skills |
| • Onshape | • Calculations | • Problem solving |
| • Solidworks | • Statistical analysis | • Matlab |