

Brayden Griffie

University of Nevada, Reno

My name is Brayden Griffie and I am currently enrolled in the University of Nevada, Reno's College of Engineering, pursuing a bachelor's degree in mechanical engineering. I have been lucky enough to work on UNR's NevadaSat team, conducting various experiments in extreme conditions using high-altitude weather balloons. My role for the past semester was to design and manufacture different thermally-controlled camera housings and test the viability of each when exposed to conditions 20 miles above the Earth. My goal for the upcoming semester is to implement a solar-tracking mechanism, that will track the sun's position on the ascent, where the ultimate goal is to capture the upcoming solar eclipses from 100,000ft.

I have always dreamt of working in the space/aerospace industry, so working on a project funded by the NASA EPSCoR program and receiving the NASA Space Grant has been an incredible experience. After graduating in the fall of 2023, I plan to pursue a job in the space industry, to gain hands-on experience. Eventually, I would love to work on projects involving sustained human exploration missions and operations in our solar system, or anything related to space transportation.