

Lily Raymond

Hello, my name is Lily Raymond and I am a Master's student in Mechanical Engineering at the University of Nevada, Reno (UNR). I became interested in mechanical and aerospace engineering from attending many airshows in Sonoma County, California. From this passion, I hope to be part of a team that works on engineering machines and technology for space exploration for NASA. At UNR, I am involved with the Society of Women Engineers Club and I have held three officer positions. In my free time, I enjoy being outside running or hiking.

I am grateful to have received the Nevada Space Grant Fellowship Award. The project I will be working on is titled "Hybrid Extrusion 3D Printing of Self Detected, Self-Deployable Smart Solar Panel Hinges." This project aims to investigate and propose a hybrid extrusion three-dimensional printing technique to fabricate self-detected, self-deployable smart solar panel hinges from a shape memory nanocomposite, which will provide a new mechanism to deploy solar panels on spacecraft in the future.