

Jaden DeBoer

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My name is Jaden DeBoer, and I am currently studying Mechanical Engineering at the University of Nevada Reno. Growing up in a small town, the stars were omnipresent throughout my childhood. Nearly every night a full sky was available for me to look up to. This environment coupled with a great family has allowed me to delve into my love for space and the engineering involved. I have been lucky to attend Western Nevada College and the University of Nevada Reno for my degree, and I hope to continue my education after its completion. Throughout my degree, I have been able to develop an understanding of the intricacies of heat transfer and how certain compositions of materials could inhibit select forms of heat transfer. This is imperative to the function of thermoelectric materials used for power generation from heat.

I am currently studying phonon transfer and coherence through nanocomposite materials under Associate Professor Dr. Yan Wang and PhD student Theodore Maranets. This research could improve understanding and efficiency of RTG's (Radioisotope Generator) for space travel.