

My name is James Harper, I am a junior at Cedar Ridge high school. I joined the HAS team in hopes to both build my STEM skills and establish connections with people at NASA. I hope this program will help serve as a gateway into the broader field of astrophysics. I heard about HAS through my highschool physics teacher Mr.Holland(the goat).

My freshman year, I barely knew anything about robotics at cedar ridge. I found out about it at the end of my freshman year, and was unable to join the team. The next year, me and some friends started our very own team at the school, and we would spearhead Cedar Ridge Robotics's involvement in the First Tech Challenge into something never before seen. With a rookie team of roughly 5 people and a budget of \$0, we went the farthest any Cedar Ridge team has gone before.

As a child, I watched Neil deGrasse Tyson's reimagining of Cosmos, and I was enthralled by the wonders of space. I am also quite interested in computer science and have been playing around with Linux systems since the age of four. I hope to major in computer science and minor in astrophysics. I want to use my computer science skills to develop new understandings of the universe, particularly interstellar space.

Hobbies: Coding, Minecraft modding, Videogames, Math, RTL-SDR, Cinematography, Color Grading, Video Editing

Fun Fact: This summer I built a dipole antenna for my RTL-SDR and was able to listen in on the ISS downlink as well as get images from the NOAA-15 weather satellite.

Bucket list: I think what I want to do most in terms of a bucket list is make my way to Yosemite National Park and camp there. I recently discovered some amazing cinematography of the place, and since then have been absolutely enthralled by its beauty.

“The good thing about science is that it's true whether or not you believe in it.”

— Neil deGrasse Tyson