

List of activities that scholarship students are doing as community service:

1. Tutoring physical chemistry as part of the Chemical Engineering Honor Society
2. Set-up ran the table for ASCE, an event that is meant to encourage high school students to participate in STEM
3. New Day open mic night-helped with a fundraiser that benefits a youth homeless shelter
4. 64th NM Science and Engineering Fair-helped judge posters of over 25 middle school students in the category of physics and astrophysics
5. Quadrennial Physics Congress fundraiser-allowed 13 NMT students to attend the Quadrennial Physics Congress held in San Francisco, CA
6. Mars Fiesta-set up and ran meteorite exhibit outreach table
7. KUNM radio guest during children's hour-discussed Mars and basics of research on the air
8. Manzano Day STEM Fair-evaluation and judging of primary school science fair projects
9. UNM campus observatory-greeted visitors, explained what we were looking at and answered any questions they had
10. San Miguel Missions 400th Anniversary-Worked in the kitchen for the 400th Anniversary Fiesta
11. Serve in ministry at San Miguel Church-Extraordinary Minister of Holy Communion
12. Elementary Science Nights/Days at various schools-taught the kids about the solar system while observing the sun with solar telescopes and giving lectures
13. Sky Safari-open up the NMSU Tombaugh Observatory to the public and gave them a tour of the sky, showing various objects using telescopes
14. ASCE Concrete Canoe National Competition – Structures Lab Open House-I gave tours of the UNM structures laboratory to students from around the nation who were visiting UNM for the annual ASCE Concrete Canoe National Competition. I discussed current research, materials, equipment, etc. of the structures team and escorted students to Johnson Field for the competition after the tour
15. STEAM-H Career Exploration Extravaganza Weekend through Sandia National Labs- While interning at Sandia National Labs over the summer, I volunteered to teach New Mexico high school students about the Lean Six Sigma manufacturing technique using Legos. Each team of students had to build as many airplanes as possible out of Legos in a limited time frame while adhering to the manufacturing rules. We discussed the pros and cons of each manufacturing technique after each round
16. UNM Structures Lab Open House- In September, the UNM structures laboratory had another open house available to the general public. I discussed my research, gave a tour of the materials fabrication area, and answered questions from the public
17. Science Olympiad-in charge of proctoring two events and grading multiple events, handed out the medals at the end
18. Food Drive for the Puerto Seguro Homeless Shelter-ran a food drive at a local Smith's, all proceeds went directly to the shelter
19. Asombro high school contest - Desert Data Jam judging
20. Graduate Research and Arts Symposium-volunteer work