

Allison Shaver

Curriculum Vitae

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503-435-7696

3400 NW Westside RD, McMinnville OR, 97128

Education

University of New Mexico, Albuquerque NM Anticipated Graduation, 2028
Pursuing a BS in Astrophysics
Cumulative GPA: 3.95/4.00

McMinnville High School, McMinnville OR Graduated, June 2024
Honors Diploma, Valedictorian, Endorsement from Engineering Academy
Overall GPA: 4.00/4.00

Relevant Experience

Research Assistant Summer 2025-Present

University of New Mexico Physics & Astronomy Department, Albuquerque NM

- Working with Dr. Diana Dragomir toward exoplanet detection method improvement
- Using data from Transiting Exoplanet Survey Satellite and Python packages to model a planetary transit
- Optimizing Python code that conducts multi-target search, reduction, and modeling functions for exoplanet discoveries
- Literature reading and discussing to better understand physics concepts and methods behind our research
- Fine-tuning of our photometric methods and techniques to improve we could generate the best possible data

Scholarships & Awards

Dean's List Fall 2024, Spring 2025, Fall 2025
UNM Alumni Scholarship Fall 2025-Spring 2026
UNM Honors College Academic Scholarship Fall 2025
Rayburn Research Scholarship Fall 2025-Spring 2026

Professional Affiliations

Society of Women Engineers Fall 2024-Present

Conference Chair

- Regularly hosted bi-weekly meetings and informational sessions for students of all ages
- Help plan and organize attendance of members to national conference
- Design and present budget to university for approval regarding conference and travel

Observing Experience

Pine Mountain Observatory, Bend OR, associated with University of Oregon

- Assisted with telescope guidance and usage during community observational hours
- Worked with undergraduate students and professor to better understand exoplanet detection
- Helped oversee telescope imaging, timing exposure and uploading outcomes

Relevant Courses

University of New Mexico:

300 Level Courses:

- Ordinary Differential Equations
- Intro to Modern Physics (In Progress)

- Math Methods of Physics (In Progress)

200 Level Courses:

- General Astronomy I & Lab
- Calculus II
- General Astronomy II & Lab
- Calculus-Based Physics III & Lab
- Understanding Academic Research Communication (In Progress)
- Computational Physics (In Progress)

Other Experience

Tour Guide

February 2025-Present

University of New Mexico Admissions, Albuquerque NM

- Provided walking tours for prospective students and family
- Manage front desk, answering questions and receiving a variety of phone calls
- Provide informational talks to individuals and families at prospective student events

Honors Student Association Vice President

Fall 2024-Present

University of New Mexico Honors College, Albuquerque NM

- Regularly hosted weekly meetings and events for students throughout the honors college
- Work with university to charter and receive funding for organization
- Organize and coordinate with honors college and other organizations for larger events

McMinnville Aquatic Center Head Lifeguard

April 2021-Present

City of McMinnville, McMinnville OR

- CPR and First Aid Certified
- Communicated and enforced all pool and safety rules of the facility with patrons
- Provided emergency care and treatment as necessary until the arrival of emergency medical services
- Attended monthly in-services to hone lifeguard and team building skills
- Oversaw lifeguarding staff and managed facilities

Leadership & Volunteering

Carlton Observatory, McMinnville OR

June 2021-August 2024

- Helped fundraise to build a planetary and observatory
- Hosted events, both for educational and fundraising purposes
- Worked pop-up, displaying telescope usage and building blue prints