

## **State of the Rockies Student GIS Research Assistant**

**All majors welcome. \$15.00 per hour.**

Interested in learning about Western forest wildfires? Dark sky conservation? Public land use? Policy and public opinion? Want to sharpen your GIS and research skills? Become a data scientist or GIS professional? Want to apply your GIS skills and curiosity about environmental issues to relevant and timely climate-based research?

The State of the Rockies is HIRING a **student GIS project research assistant**. Help support the 2023 summer interns with GIS and occasional summer projects field work. Further the research on a SotR's Dark Skies [GIS project \(2022\)](#), create a GIS for an on-going survey of public lands visitors being conducted by SotR student interns (2022-2024) and create a GIS of the annual [Conservation in the West poll](#) data.

### **What to expect:**

As the student GIS research assistant, you will work alongside the SotR and IT GIS team to create GIS maps and spatial analyses for various SotR student-led research and projects. Duties include: working with staff, faculty, city officials, US Forest Service, private landowners, and others to gather new and extant remotely sensed data for 2023 summer projects (Waldo Canyon project; Dark Skies project); field reconnaissance for ground-truthing aerial photos and remotely-sensed imagery and to gather new data (via drone); spatial analysis of changes observed over time and assist other student researchers with GIS. (Some additional administrative duties may be required).

This position begins Block 6 and ends Fall 2023.

### **How to apply:**

Please go to Handshake during Block 4 to apply to this position.

**Deadline to apply FEBRUARY 1, 2023 11:59PM**

### Required application materials:

resume; cover letter; a pdf of a GIS map you created (if you have one).

### **TIMELINE**

#### Spring 2023

Meet with student teams, GIS team, and SotR to discuss projects, (e.g., goals; approach; etc.)

9 weeks Blocks 6-8 (5-10) hours per week

### Summer 2023

Begin work in GIS lab and occasional field work. This is a 10-week summer internship.  
Start date: June 5-Aug 10, 2023 (appx dates).

10-week summer intern \* 37 hours per week

### Fall 2023

Complete GIS analyses; present work on student-led project of your choice, or your own related project, in SCoRE conference October 2023.

Present work in State of the Rockies Conservation in the West + conservation colleagues annual meeting (November 2024).

9 weeks Blocks 1-3 (5-10) hours per week)

### Preferred Qualifications:

- Adventurous spirit
- ArcGIS basic skills (Matt Cooney's ArcGIS Half-block class—ideal qualification)
- Excellent written and verbal communication; strong work ethic; ability to work as a team and independently
- Interest in finding balance between human activity and the impact of human activity on the environment

Essential Duties: Create, analyze and present GIS maps for existing and proposed; student-led SotR research; assist with field data collection.

### Learning Competencies:

- Work Ethic
- Time Management
- Work Quality
- Initiative
- Technical Knowledge
- Problem-Solving
- Analysis
- Ethical Behavior
- Appreciation of Diversity
- Communication Skills
- Teamwork

For more information visit [stateoftherockies.com](http://stateoftherockies.com) or contact Cyndy Hines  
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