

## GIS Internship Opportunity

**Where:** Montana State Library, Helena, MT (telecommuting may be considered)

### Project Overview

The Montana State Library seeks a student intern with interests in GIS, remote sensing, and Google Earth Engine. The student intern will help develop workflows to improve the hydrographic classification (perennial or intermittent) of waterbodies in the statewide hydrography dataset using multiple GIS datasets and multiple years of aerial and satellite imagery.

### Qualifications:

1. Must be enrolled in an accredited college or university at the Junior, Senior, or Graduate level.
2. Must have completed at least two GIS courses (a Geography or Computer Science course may count as one) and have a general knowledge of GIS data, concepts, and software.

### Desired Skills and Experience:

- Experience editing in ArcGIS Desktop
- General knowledge of remote sensing, particularly working with Landsat
- Experience working with the National Hydrography Dataset or other water-relevant GIS datasets preferred
- Knowledge or interest in Google Earth Engine preferred
- Experience with Python or other programming languages
- Ability to stay focused and diligent in completing repetitive tasks
- Ability to research and troubleshoot technical software or data issues
- Excellent written and oral communication skills
- Excellent computer skills, including proficiency with Microsoft products and general file management and organization

**Pay:** \$12.50/hour

**Schedule:** Approximately 480 hours from approximately February 1, 2019 to August 1, 2019 with a flexible work schedule to be agreed upon with the supervisor. Approximately 5-10 hours worked per week will be expected during the school year and approximately 30-40 hours per week will be expected over the summer.

**How to Apply:** To apply, please email a Cover Letter describing how you meet the job qualifications and desired skills and experience. Please provide concise examples that demonstrate how you satisfy the desired skills and experiences. Email the cover letter to Troy Blandford, Water Information System Manager, [tblandford@mt.gov](mailto:tblandford@mt.gov)

**Closing Date:** Applications must be received by February 1, 2019 to be considered for the first round of screenings.