Paid Summer Internship

Job Title: Computer Science/GIS intern

Compensation: $8.30 per hour plus room and board (valued at $2500)

Dates: June 25 - August 17, 2018

Internship Description:

- This internship is for web design and web Geographic Information Systems (ArcGIS) applications. The primary work would be to re-design and update the Riverscape Analysis Project GIS Tools (rap.ntsg.umt.edu). The applicant should have experience with HTML, CSS, and Javascript. Knowledge of GIS, DOJO, Python or the Cascade web template is a plus.

- Additional work will involve processing large spatial data within the Google Earth Engine Explorer Tool to investigate how channel morphology changes over time in the Pacific Northwest. The applicant should have some familiarity with GIS and spatial analysis.

- Through this internship, the applicant will be integral to our team by improving the ease and efficiently of serving spatial data to the greater environmental community through web GIS/tools. The applicant will gain valuable experience in the web design and GIS and have the opportunity to perform spatial analysis in Google Earth Engine. In addition, the applicant will have the opportunity to also work with FLBS ecologist and state biologists on designing software tools (including back-end and graphical user interfaces) for genetic monitoring and genetic connectivity mapping.

Qualifications:

- Must be a continuing undergraduate student
- Preference for students with Web Programming and Design, experience with HTML, CSS, and the Cascade template; Experience with javascript and python; and knowledge of GIS and/or Google Earth Engine is preferred

How to Apply (application deadline: March 11, 2018):

UM students: use Handshake, search for Flathead Lake Biological Station
Non-UM students: send a cover letter and resume to monica.elser@flbs.umt.edu