PART-TIME RESEARCH ASSISTANT JOB
STUDYING PACIFIC NORTHWEST RIVERS

We are seeking a research assistant to help with a research project seeking to develop new methods for high resolution mapping of rivers. Work will begin Fall term, 2019 and extend through Summer, 2020. Weekly work will vary greatly, but won’t exceed 15 hours/week excluding time spent in the field. The job will include field work and office-based data processing and analysis. Field work will include half-day, one-day, weekend, and multi-day trips, within the framework of student availability. All travel, lodging and food will be provided while in the field.

We will provide job training for field and office work as necessary

Job Description:

- In the field work will consist of:
  - Equipment management and operation including sonar, GPS, temperature, and turbidity sensors
  - Outdoor travel over potentially rough terrain in and around rivers
- Office work will consist of:
  - Data compilation, organization and management
  - Structure-from-Motion photogrammetry
  - Digital photosieving
  - Turbidity and temperature data analysis

Qualifications:

- Background in physical geography, environmental science, spatial data science or geology
- Able to read and follow written directions, maintaining a consistent workflow
- Physically able to wade streams, climb stream banks, navigate uneven terrain while carrying up to 40lbs.
- Ability to work independently. Including troubleshooting software problems, maintaining a consistent work schedule and thorough documentation of work
- Preferred qualifications (not required):
  - Familiarity with Python and or MATLAB
  - Experience rowing whitewater rafts (class III and under)
  - Experience backing and pulling trailers
  - Experience flying sUAS / FAA Part 107 certification
  - Familiarity with Metashape software

To apply:

- Submit a single PDF or Word document to Aaron Zettler-Mann, azettler@uoregon.edu including the two items below:
- (1) A letter stating:
  - Why you are interested in the position
  - Relevant in-class (e.g. lab) or work skills or experiences and how they relate to the job qualifications.
  - Why you believe you will be successful in this position
  - How this position would help you reach your academic or career goals
- (2) A resume, listing relevant prior coursework, and any related work experience