

**Service Learning Student Project Opportunities
at Joshua's Trust
Mansfield, CT
Beginning January, 2020**

1. Review all current map document files (i.e., land management plan maps, trail maps) and determine which are up to date, which either need work or need to be updated in our land management files or on our website.
 - The student(s) will work closely with Stewardship volunteers and staff to determine priorities and what anomalies are already known.
 - QUALIFICATIONS: This job would be appropriate for an **internship or work-study assignment** for a student with prior ArcGIS software training and/or experience and a strong attention to detail and organization.

2. Perform GIS data collection for all recreation trails within a town that is within the Joshua's Trust service area in support of a large-scale Joshua's Trust project to create a map layer which will eventually include all trails within our 14-town service area, as well as connectivity and proximity between trails. Because this project covers multiple towns within Joshua's Trust's operational area, there will be opportunity for multiple participants.
 - The student(s) will work closely with land trust staff to receive guidance on how to most efficiently collect data through either outreach to organizations responsible for trails (e.g., DEEP, CFPA, UConn, Joshua's Trust, town park and rec departments, etc.), or, if necessary data collection in the field using a GPS device.
 - QUALIFICATIONS: This job would be appropriate for a student with prior experience with ArcGIS software necessary for performing connectivity/proximity analysis and some more complex mapping tasks.

3. Utilize ArcGIS On-Line capability to create a story map that would assist users in finding recreational opportunities within Joshua's Trust properties. A specific possibility would be assisting birders in finding Joshua's Trust properties with trails that provide birdwatching opportunities, and link to additional sources of information such as eBird. We would be very open to creative alternative ideas that would help us engage the public.
 - The student would need to work with Joshua's Trust volunteers/staff to understand the various recreational opportunities that are available to visitors of our properties, develop a concept, and pitch a project.
 - QUALIFICATIONS: This job would be appropriate for a student with prior experience with ArcGIS On-Line, an active interest in the outdoors, and a creative ability to think outside the box.

4. Write and produce a video presentation that summarizes the rationale and data behind Joshua's Trust's Strategic Landscape Conservation Plan (SLCP), as well as the

conclusions and proposed pilot project implementation plan. The goal would be to create a brief (approx. 5 minute) video that would target an audience including the Joshua's Trust constituency, as well as the general public.

- The student would need to work with Joshua's Trust Acquisitions Committee, SLCP authors, and JT staff to understand the general concepts and goals of the SLCP
- QUALIFICATIONS: This job would be appropriate for a student with a natural resources background, and experience in visual media.

Students should indicate which position they are applying for and explain briefly why they would be a good fit for the position. Students may need to arrange their own transportation to the land trust office or properties if the position requires on-site work.