

2018 Seasonal Position Announcement



Colorado Fourteeners Initiative
A Partnership for Preservation

GIS Trail Data Technician

1 position available

The Colorado Fourteeners Initiative (CFI) is a nonprofit organization working to protect and preserve the natural integrity of Colorado's 14,000-foot peaks through active stewardship and public education. www.14ers.org

Come work on Colorado's highest peaks! CFI seeks to hire a volunteer leadership position to implement CFI's trail maintenance and alpine restoration projects on Colorado's 14,000-foot peaks (Fourteeners). This is an engaging yet challenging position based out of Colorado's rugged backcountry. This position requires a strong trailwork skillset; conservation ethic; excellent leadership, logistical, and team skills; experience leading and managing volunteers; and a desire to work in a challenging yet beautiful backcountry setting. Come and join CFI this summer!

The GIS Trail Data Technician is solely responsible for collecting detailed data on 15-20 routes over the course of the summer, along with noting where various trail features are required to be installed. The Data Technician will work out of the USFS Leadville Ranger District Office in Leadville, CO. The Data Technician will spend approximately 95% of their time solo, in the field collecting foot-by-foot detailed trail data and condition information, and 5% of their time in the USFS office in Leadville, Colorado.

Roles and Responsibilities

- **Trail work experience, preferably in alpine terrain** In order to be able to assess trail conditions, and prescribe remedies - experience in constructing trail features is required.
- **An ability to assess trail conditions, and multiple trail features** including: rock check steps, rock crib steps, retention structures; single and multi-tier retaining walls, backslope retention walls, mono-walls, and restoration structures. Must be able to accurately assess and quantify areas of trail braiding, erosion, and widening.
- **Manage GIS/GPS software and data collection**, to include: building data dictionaries, creating maps of potential routes, using Google Earth to display conditions data, using Adobe Photoshop to create maps and visuals for presentation, marking proposed features/issues and structures/construction items, recording prioritized work items, and preparing time estimates. Use Microsoft Excel to write up construction notes and ArcGIS to produce maps.
- **Monitor** the effectiveness and sustainability of past CFI trail restoration and construction projects, as needed.
- **Conduct high altitude route restoration and construction**, as needed. Continually enhance expertise in alpine route construction and design.
- **Work closely with CFI Field Programs Manager and the US Forest Service (USFS) Peak Manager** to complete route inventories. Report to CFI Field Programs Manager weekly on route inventory progress.
- **Other tasks as assigned** as needed to contribute to the overall administration and operations of CFI and the US Forest Service 14ers Program. Assist with administrative duties as needed and other tasks as assigned.

Work Schedule

In 2018, the GIS Trail Data Technician will collect detailed trail data on 15-20 routes across the state over the course of the field season. The field season begins approximately May 22 and ends October 1. In order to assist CFI staff members and the USFS Peak Manager with Fourteener route planning statewide, extensive travel—occasionally with a personal vehicle—as well as evening and weekend work is required. The Data Technicians is physically demanding and much of the work is performed at high altitude. Many nights are spent in a backcountry (camping) environment. The position is field-based with some administrative duties.

Desired Qualifications

Applicants must be self-starters, able to operate with a high level of independence, and have prior experience and references to demonstrate such.

Applicants must have some trail building and/or trail design experience; be in excellent physical condition, have a positive and professional attitude, be self-motivated and passionate about the outdoors; possess strong computer skills; and have a strong conservation ethic. Must possess a valid drivers license and have a clean driving record. Other desired qualifications include: familiarity with the alpine environment, strong organizational skills and attention to detail, ability

to handle multiple tasks, strong verbal communication skills, willingness and ability to live and perform strenuous work at high altitude. Valid drivers license and personal vehicle (4WD preferred) required. Certification in CPR and Wilderness First Responder or Wilderness First Aid (WFR preferred) required. Applicants must have an interest in route design and CFI's field projects, be confident in backcountry hiking, camping, and mountain route finding, and should be proficient in topographic map reading and compass use. Applicants must possess GPS/GIS experience and their own camping equipment. Technical rock or ice climbing ability is not required.

Salary and Benefits

\$14-18 /hour depending on experience.

Benefits include \$17/day per diem for field days; medical training allowance (\$200.00); eligibility for a performance-based bonus at the end of the season; and discounts on outdoor gear and equipment. Travel with a personal vehicle is reimbursed at the federal rate.

HOW TO APPLY

Positions available until filled. However, preference will be given to applications received by **Monday, March 5th, 2018**.

To apply, you will need to submit 1) CFI online application, 2) one-page cover letter, and 3) your resume as follows:

Fill out and submit an online **Application for Seasonal Employment & Internships** (link available on our website at www.14ers.org) Included in the online application will be instructions for how to submit your cover letter and resume to CFI. (NOTE: Cover letter and resume MUST be in MS Word or PDF format.)

If you have trouble with the online application form, submitting your materials in PDF or MS Word format, or submitting your cover letter and resume electronically, contact hiring@14ers.org.

Finalists will be required to complete a medical history, physician's release form, and a driving background check.

All questions pertaining to these positions can be directed to hiring@14ers.org. (Please, no phone inquiries). For additional information about CFI, please visit our website at www.14ers.org.

The Colorado Fourteeners Initiative is an equal opportunity employer.

**Colorado Fourteeners Initiative
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