Paid Internship position with National Park Service
National Information Services Division
Resource Information Services Division

The National Park Service (NPS) preserves unimpaired the natural and cultural resources and values of the National Park System for the enjoyment, education, and inspiration of this and future generations. As one of the national offices within NPS, the National Information Services Division (NISC)/ Resource Information Services Division (RISD) supports many activities including the national geospatial program that uses spatial data, standards, and technical tools to provide a way for staff to understand, protect and help visitors enjoy our national parks. NISC/RISD also has an application development team that creates and implements tools for many projects that incorporate a spatial component. Overall, the advanced data collection methods, sophisticated analyses and cartographic techniques possible with such tools enable products and applications that inform the National Park Service and its partners, engage the public, and broadly support the overall management and understanding of the nation's parks. These internship positions represent an important component to meet these objectives. Primarily remote work will be conducted Monday-Friday any time between 7 a.m. MT and 6 p.m. MT. Some office visits to 12795 West Alameda Parkway Lakewood, CO 80228 may be required. Pending NPS policies regarding office reopening, transitioning to the Alameda Parkway location may be an option if the selected candidate is interested in working from an office location.

Pay rate: $18/hr.
Expected duration of position 12 month approximately.

Main Tasks:
- Variety of data management, GIS, cartographic, web application development and technical documentation tasks.
- Data collection and management (Spatial and non-spatial).
- Create technical documentation and guidance for NPS applications and processes.
- Assist in web map production and design.
- Lead virtual meetings with NPS parks to facilitate data collection.
- Assist in web application development, if qualified or interested in learning these skills.
- Collaborate with technical experts and developers from the NPS to learn and complete tasks .

Desired Skills:
- Experience using ArcGIS Pro, ArcGIS Online, and ArcGIS Web AppBuilder.
- Experience with Adobe Illustrator or similar software is highly desirable.
- Experience writing scripts in Python and/or Structured Query Language (SQL) for data manipulation and batch data loading.
- Database skills for geospatial data, which includes experience with Relational Database Management Systems (RDBMS) is a plus.
- Ability to critically assess data quality and accuracy in data integration, reconciliation, and analysis activities and processes.
- Ability to write technical guidance and documentation for NPS applications.
- Ability to develop professional training webinars on NPS applications and to provide customer support and training as needed.
- Effective writing skills to support development of and updates to a web application user manual, data dictionary, and data standard documentation.
- Highly detail oriented with strong organizational skills.
- Strong problem-solving and analytical skills.
- Customer service, documentation skills, listening, and multi-tasking are key elements of the position.
- Web application or other development skills is a plus (experience or interest in any of the following is beneficial, but not required: Python, Leaflet, Javascript, Angular 2, TypeScript, Microservice REST APIs, Asp.net Core).

HOW TO APPLY:

Send the following documents in PDF format to **Dr. Rafael Moreno** Rafael.Moreno@ucdenver.edu: 1) Cover letter (**make note of expected graduation date**); 2) Resume (include 2 GIS relevant references; link to professional portfolio online with samples of your GIS, programming, and/or database work highly desirable).

DEADLINE: September 30, 2021 or until position is filled