ENVIRONMENTAL HEALTH PROJECT
DEFENDING PUBLIC HEALTH SINCE 2012

Job Posting - Environmental Data Analyst

Job Title: Environmental Data Analyst
Reports to: Program Manager
Location: Hybrid virtual/in-person (candidates based near Pittsburgh, PA, or New Haven, CT, preferred)
Job Type: Part-time (20 hours/week), salaried, non-exempt

Organization Description:
The Environmental Health Project (EHP) is a public health nonprofit organization that provides wide-ranging support to communities impacted by oil and gas development. The organization opened in 2012 and has become a national leader in the comprehensive understanding of, and response to, the public health consequences of these extractive industries. EHP's team includes a varied and skilled group of scientists, community educators, analysts, health professionals, and communications experts. The strength of the organization lies, in part, in its direct contact with community members, learning about their circumstances and responding to their need for relevant information and guidance. We seek to support communities more broadly in understanding the exposures and risks generated by oil and gas development and to inform advocacy dialogues at the local, state, and national levels through environmental monitoring, health impact assessments, public health guidance, and data and research interpretation.

Job Summary:
Data analysis is core to EHP's business operations. The organization analyzes health data and monitors air pollutants such as particulate matter and volatile organic compounds (VOCs) near industry sites, including well pads and compressor stations. The role of the Environmental Data Analyst is to ensure sound and accurate analysis of these data. The Environmental Data Analyst will also work to assess areas for ongoing expansion and improvement in existing analysis models, internal processes, and reporting capabilities.

Various tasks associated with this role include but are not limited to the following:

Primary Duties

- Assess existing analysis procedures and programs; continue to improve upon the accuracy and usability of analysis tools and related reporting processes, most notably EHP's AirView analysis platform
- Assist field staff to generate meaningful visualizations, reports, and other summaries of air and health data procured by or provided to EHP
- Develop methods to conduct and communicate analysis that produce the greatest impact in furthering EHP's mission

Other Duties

- Perform or oversee organizational processes of air quality monitoring and modeling services as needed, including training community representatives in how to use monitoring equipment
- Interact with community and local organizations as needed to provide technical guidance about monitoring, modeling, and reporting
- Work with external platforms and databases from partner organizations and government agencies that track additional health and environmental data

- Work with program team to develop informational materials on relevant work as needed

Core Attributes Required:

- Ability to thrive in a dynamic, deadline-oriented environment with demonstrated ability to balance multiple, competing demands and establish priorities
- Excellent communication skills to broad and diverse audiences on complex and technical issues
- Ability to offer creative solutions to complex problems and translate options into implementable solutions
- Extraordinary attention to detail
- Availability to work a set weekly schedule during core business hours
- Proven flexibility to new challenges and situations
- Strong analytical and critical thinking skills
- A "roll up your sleeves" attitude and willingness to take initiative to address issues proactively
- Comfort communicating and coordinating with remote teams
- Familiarity with policymaking and systems thinking
- Passion for the organization's mission to defend public health in the face of oil and gas development

Education and Experience Requirements:

- Bachelor's degree in computer science, statistics, applied math, or related field and 2 years' practical experience with data processing, database programming, and data analytics
- Proficiency in R and Python
- Background in statistical analysis
- Pattern recognition and predictive modeling skills
- Background in public health, environmental science, or biology a plus

Salary and Benefits: Commensurate based on experience (expected range $25-30K); Health Reimbursement Arrangement, 401k match, competitive time off policies.

Application Instructions: Submit cover letter explaining why this role is a good fit, resume, and salary requirements to Nathan Deron, Program Manager at nderon[at]environmentalhealthproject.org

Apply by November 1, 2023, for first round review.

Feel like you may not be totally qualified? Studies have shown that women and people of color are less likely to apply to jobs when they believe they don't meet every qualification. At EHP, we are committed to promoting a culture of diversity, inclusiveness, and mutual respect. So, if this role appeals to you, but you feel your experience does not align perfectly with every qualification in this job description, we encourage you to apply anyway. You may be just the right candidate for this or other roles.

All applicants and employees will enjoy equality of opportunity and fair treatment without regard to, race, color, age, religion, pregnancy, sex, sexual orientation, disability, gender identity, gender expression, national origin, genetic information, veteran status, marital status, or prior protected activity.
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