

# Data Management Scientist

The future of air quality is changing as new technology enables anyone to measure air pollution anywhere at any time. TD Environmental (TDE) is at the forefront of using air quality data to make sense of the air we breathe. TDE provides innovative air monitoring; data management, visualization, and analysis; advisory consulting; and youth air quality education programs to a wide range of clients around the world.

We're seeking a full-time employee (remote) to work on a variety of air quality projects involving 1) analyzing air quality data and 2) designing next-generation systems to manage and visualize air quality data. You'll be at the forefront enabling people to use data and new technology in the battle against air pollution and climate change. We offer medical and time-off benefits.

## Essential Duties and Responsibilities

- Apply strong analytical reasoning to understand how existing data systems process environmental data.
- Ability to define functional and non-functional requirements, user stories, use cases, and acceptance criteria for data systems.
- Ability to transform users' needs into features and functions and document the results in reports and presentations.
- Apply strong analytical reasoning to understand to environmental data by decoding, processing, analyzing, and visualizing data.
- Ability to assess different data sources, data quality, and identify outliers and problems within data.
- Process and visualize environmental data using open-source software tools in R and/or Python.
- Experience using assessment and planning tools (flow diagrams, affinity diagrams, gap analysis, and selection/prioritizing matrices).
- Provide training, presentations, and project documentation to clients.
- Demonstrate strong interpersonal skills to inquire about users' needs & preferences.
- Exhibit strong oral and writing skills to communicate information effectively on multiple levels.

## Desired Qualifications



- A bachelor's degree in science, data science, software engineering or related technical degree.
- 4 years' experience working in the environmental or science with collecting, analyzing, or interpreting environmental data.
- Experience using data processing tools such as R and Python.
- Familiarity with designing screens and flows to provide compelling user experiences for mobile and desktop.
- Understanding of wireframing and prototype development.
- Working knowledge of common project management tools, including Microsoft Office Suite, and visualization tools.
- Highly motivated, consistent, self-starter and superb problem-solving skills.
- Must be detail oriented and have strong organizational skills.
- Domestic and possible international travel.

Send cover letter and resume to: [career@TDEnviro.com](mailto:career@TDEnviro.com)

Learn more at [www.TDEnviro.com](http://www.TDEnviro.com)