# Job details

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| **Posting Title** | GIS Scientist III - Spatial Analysis |
| **Requisition Number** | 1628BR |
| **Location** | Golden, CO |
| **Position Type** | Regular Employee |
| **Hours Per Week** | 40 |
| **Job/Research Summary** | As a member of the Data Analysis and Visualization group within the Strategic Energy Analysis Center, the selected individual will contribute to various geospatial analysis activities. This will be done by conducting spatial analyses, and creating high-quality maps and other data products for a variety of clients within NREL and outside. |
| **Job Duties** | Under the direction of, and in conjunction with, senior staff, the individual will contribute to the development, documentation and distribution of stand-alone and web-based geospatial analytical products related to renewable energy research and development. This position will support renewable energy technologies by enhancing existing data sets, conducting spatial analyses, and creating high-quality maps and data products. This career position requires continuous development of technical skills to stay abreast with advances in GIS technologies. Duties also include contributing to technical reports and assisting with the preparation of technical presentations and scientific publications and discussing projects with clients. Deep knowledge of ESRI tools as well as scripting are necessary. |
| **Required Education and Experience** | Relevant PhD or equivalent relevant education/experience.<br><br>Or, relevant Master's Degree and 3 or more years of experience or equivalent relevant education/experience.<br><br>Or, relevant Bachelor's Degree and 5 or more years of experience or equivalent relevant education/experience. |
| **Required Knowledge, Skills and Attributes** | Demonstrates complete understanding and wide application of scientific technical procedures, principles, theories and concepts in the field. General knowledge of other related disciplines. |

Demonstrates leadership in one or more areas of team, task or project lead responsibilities. Demonstrated experience in management of projects. Very good technical writing, interpersonal and communication skills.

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| **Additional Required Knowledge, Skills and Attributes** | Candidate must have 3 years experience with performing spatial analysis directly. This position will need someone whose experience is heavily weighted towards analysis.<br><br>• Demonstrated knowledge of GIS analysis techniques, and the principles of geographic science.<br>• Demonstrated proficiency and understanding of vector and raster geo-processing techniques.<br>• Ability to work independently as well as part of a dynamic, multi-disciplinary team.<br>• Excellent verbal and written communication skills.<br>• Ability to complete multiple tasks and to meet the needs of multiple customers.<br>• Detail-oriented, good teamwork skills, willingness to learn, strong problem-solving skills, and adaptability to a rapidly changing work environment. |
| **Preferred Qualifications** | • Master's of Science or Arts Degree in geography, computer science, natural resources, or similar technical discipline, or equivalent relevant experience.<br>• Experience with Python scripting or other programming languages.<br>• Experience with OpenLayers and Google Maps.<br>• Background in energy efficiency or renewable energy. |
| **EEO Policy / E-Verify** | NREL is an Equal Opportunity/Affirmative Action Employer and provides equal employment opportunities to all qualified persons without regard to race, age, color, sex, religion, national origin, marital or veteran status, or any other legally protected status.<br><br>NREL validates right to work using E-Verify. NREL will provide the Social Security Administration (SSA) and, if necessary, the Department of Homeland Security (DHS), with information from each new employee's Form I-9 to confirm work authorization. For additional information, please see www.nrel.gov/employment/eeo.html. |

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