



## Eagle Rock Analytics

Summer Research Associate | Scientific Intern in Climate Data Analytics

Position in Sacramento, CA or Remote

### Position Overview.

We are hiring a Summer Research Associate and/or Scientific Intern in Climate Data Analytics to support the development of two cloud-based climate and weather data platforms for California's energy sector. The Summer Research Associate position would be a good fit for a recent graduate or graduate student looking for summer salary and experience, and the Scientific Intern position would be a good fit for an undergraduate student interested in a career in as applied research scientist in the environmental, climate or weather fields.

These positions will support the development of the Cal-Adapt: Analytics Engine and other energy sector research in support of California's Fifth Climate Assessment. These projects apply cutting edge scientific programming with hands-on stakeholder engagement and public policy, leading to actionable scientific outcomes. The Research Associate | Intern will be expected to contribute to research, while having the opportunity to participate in business development, outreach, stakeholder engagement and public policy events.

We know that scientists are a varied lot, and will consider full and part-time applicants, applicants seeking to work non-traditional hours and applicants working remotely. Preference will be given to California based applicants who will be available for most of the May through September window. If your experiences don't line up with what is outlined below, but think you'd be a great fit for the project, please still apply so we can learn more about you. This position is a remote, non-exempt, seasonal/temporary which pays hourly.

### Position Responsibilities.

Applicants would contribute to one of the following research efforts:

1. Support development of the [Cal-Adapt: Analytics Engine](#)
  - Build [Jupyter Notebooks](#) that make high resolution climate data accessible
  - Develop code to execute analytics and methods designed by project partners
  - Collectively work with other developers using Github
  - Perform usability testing
  - Document products and code, perform additional technical/scientific writing for varied audiences
  - Engage and train stakeholders and clients on developed products
2. Data assimilation and quality control for a Historical Data Platform
  - Apply QA/QC protocols for observed data
  - Calculate metrics and statistics on weather/climate data
  - Perform exploratory data analysis on weather/climate data
  - Create web-based visualizations (and toolkits) of geospatial datasets
  - Document platform features and code, perform additional technical/scientific writing

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Applicants could participate in the following tasks, as interested/needed:

- Outreach
  - Develop communication and/or organizational plans
  - Perform technical writing to support outreach efforts
  - Organize and participate in meetings with state agencies, non-profits and other entities
- Stakeholder Engagement
  - Communicate with decision makers, policy makers and energy sector professionals
  - Perform stakeholder interviews and facilitate workshops
  - Perform usability assessments of developed products
  - Synthesize engagement efforts
- Public Policy
  - Attend and present at statewide forums
  - Participate in California Energy Commission events
  - Participate in California's Fifth Climate Assessment events
- Business Development
  - Organize workshops and scientific events
  - Work with governmental forms
  - Review and edit proposal and other technical writing
  - Observe budgeting, invoicing and bookkeeping practices
  - Gain experience collaborating in a modern, remote working environment

### General position requirements:

- Periodic travel to workshops, seminars, conferences, and meetings with our partners.
- This position requires a lot of computer work, applicants will need to be capable of working at a desk or computer for the majority of the workday.
- Perform other duties as required. We are a small team, and sometimes you'll have to do tasks that are outside of position scope.

### Required Qualification.

- Interest in a career in science, particularly applied research in environmental/climate fields.
- Share our [values and vision](#), particularly in creating an inclusive and welcoming workplace.
- Familiarity with geospatial data and python.
- Demonstrated capacity to work independently.
- Technical writing skill and the ability to communicate politely and effectively.
- Education, experience and/or skill in atmospheric, climate or environmental sciences and/or data science.
  - Applicants for the Summer Research Associate position are likely to have or be pursuing a M.S. or Ph.D.
  - Applicants for the Summer Intern position are likely to have or be pursuing a B.S.
  - We're open to non-traditional hires too!

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**Desired Qualifications.** *We anticipate applicants having some of these qualifications.*

- Experience performing scientific/computational work in the cloud on AWS, or better -- experience developing applications on AWS, and/or AWS certifications.
- Experience using GitHub.
- Experience using Python and developing Python Notebooks.
- Experience working with scientific (geophysical) toolkits (i.e. nco, cdo, ncl), repositories/libraries (i.e. MetPy, numpy, scipy), or visualization packages (i.e. matplotlib, cartopy) a plus.
- Basic knowledge of statistics.
- Familiarity with QA/QC procedures for environmental datasets

### **About Eagle Rock Analytics.**

We are a small climate and environmental consulting firm, with a focus on applied research that transforms big geospatial data into understandable information that answer questions or advances the science. We don't take profits on public good projects, allowing us to prioritize our clients and stakeholders, maintain professionalism and scientific ethics, and do work without ego. We're hoping to find people to join our team who agree that slow, steady, methodical, and empathetic is better than a fast-paced, work-hard-play-hard, everyone is a unicorn/rockstar approach.

### **Benefits & Compensation.**

We are committed to providing better than a livable wage to interns and associates, for which in Sacramento has been estimated to be between \$17 and \$18 per hour. Salary for this position will be a minimum of \$20 per hour for the Scientific Intern role and \$25 per hour for the Summer Associate Position, and higher for experienced candidates. We are advertising this position as a remote, full-time, non-exempt position based in Sacramento, CA but will strongly consider applicants seeking part-time employment.

Eagle Rock Analytics offers a flexible workplace with a generous benefit package, including at a minimum retirement (i.e. 6% employer contribution to 401k) and paid time off. As a smaller company we are able to work with employees to meet their needs, and we prioritize work-life balance.

### **How to Apply or Learn More.**

*Questions?:* Submit your questions about the application process, position, or working at Eagle Rock Analytics to [jobs@eaglerockanalytics.com](mailto:jobs@eaglerockanalytics.com). You can also consult our [careers FAQ](#) for additional information.

*To Apply:* E-mail a resume/cv to [jobs@eaglerockanalytics.com](mailto:jobs@eaglerockanalytics.com) with the subject line of "Summer Research Associate" or "Scientific Intern." We encourage submission of a Statement of

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Qualification which addresses in your own words: (1) why you are interested and qualified for the position, (2) a link to a project or product you are proud of (e.g. your GitHub), and (3) confirmation of your authorization to work in the United States and current state of residence. Please limit replies to 2 pages, with 1" margins and size 12 Times New Roman font.

*Deadline and Process:* We'll begin reviewing applications as they come in, and will continue to do so until the listings are removed from our website. We will reach out to successful applicants for references and interviews. All applicants will be notified when the position is filled.