

# Red Car Analytics, Senior Energy Modeler

## Position Description

Date: 06/15/2021

### Your primary responsibilities

1. Collaborate with interdisciplinary client teams and demonstrate credibility to give teams confidence to make better decisions based on objective data and real-world insights.
2. Lead energy modeling research projects, developing clear simulation methodologies and analysis objectives.
3. Develop energy analysis reports and deliverables, presenting clear documentation on how simulations were developed.
4. Mentoring and working with junior staff on energy analysis projects and tasks to grow skills and achieve project timelines.
5. Maintain leading-edge knowledge of best sustainability practices by influential designers and engineers and bring appropriate opportunities to projects.
6. Interpret and apply code and program requirements for Title 24, CALGreen, IECC, building codes, LEED, Zero Energy, ASHRAE standards, incentives programs, and other relevant building and energy standards.

### What you will contribute

- Excitement to work with talented, committed people in a fast-paced environment.
- Passion for reducing energy use and carbon emissions and making a positive difference in the world.
- Excellence in developing clear energy analysis and findings, some of your proudest moments involve delighting your clients.
- Capability of prioritizing your work to adhere to a deliverable schedule and ensure successful delivery that exceeds expectations.
- Enthusiasm for being ready, able, and willing to jump onto a call with a teammate or client to help solve problems.
- Strong eye for detail and quality of your work.
- Love of digging into hard problems and enjoying experimenting to come up with simple, elegant solutions.

### What you bring to Red Car Analytics

- You are an experienced modeler - you ideally have 4-8 years of professional experience.
- Experience in Title 24 and energy modeling for compliance.
- Experience in EnergyPlus and related energy modeling software.
- Experience in computer programming, such as python, ruby, or other languages.
- Experience in design consulting, interacting with architects, engineers, and owners.
- Ability to deliver toward several initiatives simultaneously.
- BS in Computer Science / Engineering, or demonstratable equivalent industry experience.
- Experience mentoring more junior team members in best practices of energy modeling, report development, and written documentation of work.

### Bonus Points

- Ability to read building design drawings and fill in gaps of information.
- Experience with OpenStudio and writing measures.
- Experience with Git and working in collaborative workflows.
- Experience with MS 365 Sharepoint and other Office tools.

- Experience with data visualization software such as Tableau.
- Professional Engineering license or one or more relevant credentials from USGBC, ASHRAE, or the Association of Energy Engineers (AEE).

## What makes working at Red Car Analytics amazing

In addition to all the standard medical and dental benefits that start on Day 1, we are:

- Committed to the environment, our employees, and our communities,
- Focused on individual career growth,
- Committed to taking our work and mission seriously and....having some fun!

We are located in Santa Rosa, CA. We provide a flexible work environment with opportunities to work out of the office, from home, or even part-time co-working locations. Our office brings a touch of excitement with occasional visits from dogs and chickens. Ideally team members should be able to meet and collaborate in-person a few days a week, while working from home or visiting client sites around the Bay/Sacramento Area other days.

## We also provide

- 401k contribution matching
- Medical, vision, and dental insurance
- Monthly wellness stipend
- Flexible time off
- Exceptionally collaborative and cool office space

*Red Car Analytics provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.*

## About Red Car Analytics

Red Car Analytics is a building performance engineering consulting company offering services to building owners and energy efficiency public agencies. Services include building systems' energy technical advisement, energy modeling, policy and research, and commissioning. The company was established in 2018, building on years of industry leadership by the founding partners in high performance and zero net energy buildings. The company has experienced steady growth and a solid and diverse client base providing the firm stability and resiliency. With a strong focus on resilient HVAC and systems expertise, the company's mission is to find reliable carbon neutral building solutions that scale and make buildings high functioning, healthy environments for people and the planet.

## How to Apply

Send us an email with resume and cover letter to [careers@redcaranalytics.com](mailto:careers@redcaranalytics.com). We would love to hear from you!