Director of Modeling and Technology

Position Summary

The Director of Technology will oversee and improve the ongoing modeling and software development processes, the foundations of Climate Interactive’s award-winning work. The Technology Director is a key member of the four-person leadership team, which sets overall organizational direction and strategy while delivering upon our mission.

About Climate Interactive

Climate Interactive is a not-for-profit organization with global reach that creates and shares tools that drive effective and equitable climate action. Our tools make complex systems understandable so that decision-makers, NGOs, and citizens can understand how to best address climate change globally.

If you feel passionate about making a lasting, positive impact on climate change, this might be the role for you.

Together with MIT’s Sloan School of Management, Climate Interactive builds real-time, interactive simulators built using system dynamics that help leaders understand the impact of various scenarios and policy decisions on global temperature rise. The goal of these products is to support decision-making and bring transparency and education to people at all levels.

To date, Climate Interactive’s simulators have been used by over 400,000 people in 128 countries, ranging from heads of state to bankers to students. In fact, the Obama Administration and the Chinese Government used Climate Interactive’s C-ROADS simulator to help secure the 2014 US-China bilateral deal that set up the Paris Agreement. Since then, they have briefed over 130 members of Congress on climate-related issues and were named the "Top US Energy and Environment Think Tank."

Intrigued?

As we look at the timeline and mission of limiting global temperature rise, the news is often bleak and discouraging. Climate Interactive’s simulators bring clarity and insight grounded in science to a field that has been riddled with ambiguity. Ultimately, we show people why there is reason to hope, and how to get there.

Are you a mission-oriented leader who likes to build world-class models and applications with a great team? Look no further.
Job Responsibilities

Supervision of Technology Team

- Define team key performance indicators and support team members to deliver upon their KPIs
- Manage staff personal growth and team satisfaction for retention and success
- Work with modelers to summarize and present work to technical and non-technical audiences for review and approval
- Bridge communications between developer and modeling staff, and between Tech Team and the rest of the organization

Management of Models, Simulations, and Software

- Oversee model development to ensure top-quality, scientifically rigorous results that further Climate Interactive’s reputation of modeling excellence
- Facilitate and evaluate changes to model structure in order to answer policy-relevant questions with appropriate level of detail
- Manage and improve existing model and software development processes to meet deadlines and deliver upon mission
- Translate client/user requirements into modeling tasks for the Technical Team
- Write and edit FAQs, blog posts, and other technical documentations

Organizational Strategy

- Directly with Executive Director, and as a member of the four-person Leadership Team, contribute to the formulation and implementation of Climate Interactive’s strategy to deliver upon its mission and vision

Partnership Management

- Evaluate licensing and other IP opportunities and partnerships
- With Executive Director and as a member of the four-person Leadership Team, support approach to raising funds and attend client and funder calls to understand and shape potential projects
- Represent Climate Interactive at scientific and system dynamics conferences

Experience

Experience managing technology development teams, software products, and modeling projects required. Required minimum technical capabilities include direct experience with:

- Modeling software such as Vensim, Stella, PowerSim, and/or Python
- Software platforms such as JavaScript, HTML5, and/or Node

Advanced degrees preferred but not required.

Reporting Structure

- Reports to: Executive Director
- Direct reports: Senior and Junior Modelers and Senior Software Developer(s)
Location
Remote. Outside of the U.S. possible, with the need to coordinate with the East Coast US time zone. Preference for Asheville, NC, or Boston, MA area, USA. Climate Interactive has been a remote-first organization for over a decade.

Compensation
Climate Interactive offers a generous compensation package for this role. For employees eligible to work in the United States, the compensation includes:

- Minimum base salary of $120,000 - $150,000, with exact compensation varying based on skills, experience, and location*
- 100% employer-paid health, dental, and vision insurance, including premiums and deductibles
- 3% automatic employer-paid retirement contribution (401K) plus up to an additional 3% match on employee contributions (401K or Roth IRA)
- Short- and long-term disability and life insurance
- Generous vacation, health, holiday, and leave policies

*Note: Disclosure required by sb19-085 for the minimum salary compensation range for this role if hired in Colorado.

Overtime Status
Exempt; full-time

How to Apply
This job search is being managed by Acre, a sustainability recruitment firm. Please email your cover letter and resume to shaun.andah@acre.com or visit the Acre job board for this position to apply directly.

Hiring Statement
Climate Interactive is a project of New Venture Fund (NVF), a 501(c)(3) public charity that incubates new and innovative public-interest projects and grant-making programs. NVF is committed to attracting, developing and retaining exceptional people, and to creating a work environment that is dynamic, rewarding and enables each of us to realize our potential. NVF’s work environment is safe and open to all employees and partners, respecting the full spectrum of race, color, religious creed, sex, gender identity, sexual orientation, national origin, political affiliation, ancestry, age, disability, genetic information, veteran status, and all other classifications protected by law in the locality and/or state in which you are working.

COVID-19 Policy
To center the safety and well-being of its employees, New Venture Fund requires that any employee who is required to conduct in-person activities for their job must be fully vaccinated against COVID-19 within four weeks of their start date. This position may require candidates to be fully vaccinated against COVID-19. Accommodations may be sought and approved in accordance with the law by contacting human resources at HR@newventurefund.org.