



## Water Resources Modeler

**Job Type:** Full Time

### **Position:**

The position will provide key support and insight in model development, deployment, and modification, as well as integrate existing object-oriented modeling approaches with new from-scratch frameworks. The candidate will lead all Colorado River modeling projects and work with the team to optimize the generation of various future conditions. The position provides the opportunity to have hands-on involvement with everything the start-up deals with and has the potential for substantial growth.

### **Team:**

We are looking for creative, big thinkers ready to join our start-up team -- people who are interested in employing modern technological, data and programming tools to help solve critical problems at the intersection of water and climate change. Our clients and customers will expect us to think outside the box and provide solutions that will help to break down the barriers to achieving actual change, and that's what we will expect from you. We are looking for people who are eager to learn, motivated to solve problems and find solutions for a better future, and who want to be part of a collaborative team tasked with building moonshot data platforms, modeling solutions, and new visualization tools to guide decision making. Our team members will be willing to flip, turn, spin, and even go through wormholes to get things done. We won't give up and we won't set boundaries. Their reward? Besides a healthy compensation package: being part of a dynamite, tight-knit team that is focused on making an impact and getting in on the ground floor of a new business.

### **Required Skills and Experience:**

- Deep experience using RiverWare
- Out-of-the-box thinking related to hydrologic simulation and modeling, with a desire to modify and improve existing modeling infrastructure
- Some experience using coding/scripting languages (R, Python, Bash shell, etc.)
- Knowledge of the Law of the River and current State and Federal policies and dynamics surrounding the Colorado River
- Comfort communicating at both technical and executive levels of detail, especially in explaining complex topics to those new to the subject area
- Excellent interpersonal and communication skills, both written and verbal
- Demonstrated productivity when working independently and as a team member
- Ability to work in a highly collaborative and inclusive environment

### **Preferred Skills and Experience:**

- Running and developing scenarios in CRSS (Colorado River Simulation System)
- Experience building, maintaining, and updating models in MIKE
- Undergraduate or graduate degree in hydrology, geology, or related field; coursework in hydrogeologic data analysis, modeling and computer programming preferred
- 4+ years experience using hydrologic modeling in professional setting

**Location:**

This position will ideally be based in Tucson, Arizona, but we are open to remote locations.

**Timing:**

Position will begin on December 1, 2021.

**COVID-19 considerations:**

COVID-19 vaccine required (with the exception of a medical or religious exemption). Work will be semi-remote with integrated in-person work sessions as CDC guidance allows with integrated testing protocols as needed.

**Compensation:**

A competitive salary + equity based on experience  
401(k) retirement plan  
Pre-tax health care  
Flexible medical, dental, and vision benefits  
Life insurance & disability insurance  
Parental leave  
Unlimited paid time off  
Apple computer and phone set-up and ergonomic home office stipend  
Much more

**About Us:**

We are forming the initial core team of a mission-driven modeling, analysis, and data visualization start-up. We will be focused on building 21st-century technology solutions to address the most challenging water and climate problems, developing data-focused products at local and regional scales, ranging from public-facing dashboards with high traffic to smaller bespoke customer-specific analyses and tools. Our products will support decision-making, understanding water-related climate risks, detailing economic impacts associated with climate risk, and visualization of potential solutions.

We welcome applicants from diverse backgrounds with a variety of skills, experiences, and ideas that are enthusiastic about learning and contributing to a new and rapidly growing enterprise. We are an equal opportunity employer. Employment selection and related decisions are made without regard to gender, race, age, disability, religion, national origin, or any other protected class.

**How to apply:**

Applicants should send a cover letter and resume combined as a single document in PDF format to: [info@martin-mccoy.com](mailto:info@martin-mccoy.com) please indicate "Water Resources Modeler" in the subject line. Position will remain open until filled; preference will be given to candidates who apply by October 31, 2021.