

InfiniteCooling

Infinite Cooling's mission is to mitigate water scarcity around the world. We help power plants and other industrial plants reduce their water consumption and water treatment costs by recovering water from their cooling tower exhaust. We have a patented technology developed at MIT that uses electric fields to capture water from the plumes leaving cooling towers. We are a vibrant startup based in the Boston area, and we are on a mission to be a global leader in the water services industry for industrial applications. Infinite Cooling is venture-backed and has raised over \$16M of capital and was awarded over \$3M of prizes and grants.

We are looking for a sharp, tenacious, and creative R&D Engineer to join our team and lead research and development efforts to inform design changes and optimizations for Infinite Cooling's products. The role will require both modeling and experimental lab work. Designing experiments to quickly inform design decisions and gaining a fundamental understanding in core technology concepts will be central to the role. Strong communication, flexibility, and the desire to "wear many hats" will all be essential skills.

What you will do:

- Design and experimentally test various evaporative cooling and condensation systems
- Numerically and experimentally model fluid flows and heat transfer in various configurations
- Generate ideas and produce proof-of-concept designs for new product features
- Apply analytical solutions to physical problems starting with first principles
- Come up with new designs and test their efficiency numerically and experimentally
- Become a subject matter expert in our technology and provide technical support to the rest of the team
- Participate in requirements definition and system-level validation testing
- Lead team discussions on design alternatives to solve complex thermal-fluids problems, develop new features, and optimize systems

Preferred skills and experience:

- BS or equivalent in Engineering or Physics. Advanced degree is highly desired
- Professional experience in addition to academic background preferred
- Strong track-record of successfully applying research to inform industrial product design
- Proficiency with CFD, thermal modeling, and FEA
- Hands-on experience designing and performing experiments
- Proficiency with mechanical design and how to integrate several fluidic sub-assemblies effectively
- Experience with data acquisition and complex data analysis using standard tools such as Python and Arduino

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- Ability to pare down complex problems into achievable steps and complete difficult assignments in a timely manner
- Strong organizational skills; outstanding written and oral communication required

Location:

121 Madison Street, Malden, MA

Contact:

Maher Damak, CEO

hiring@infinite-cooling.com