

InfiniteCooling

Structural Engineer

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 patent-pending technology developed at MIT that uses electric fields to capture water from the plumes leaving cooling towers. We are a vibrant startup based in Somerville, Massachusetts, 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, rigorous, and creative Structural Engineer to join our team and lead the company's stress and structural analysis work. Responsibilities will include all structure development stages from concept, prototyping and testing through to fabrication and installation. Strong communication, flexibility, and the desire to "wear many hats" will all be essential skills for a successful applicant.

What you will do:

- Perform detailed structural analyses to determine structural integrity
- Design new and custom structures in compliance with codes & standards
- Come up with new ideas and creative designs for more efficient structures
- Prepare reports, drawings, and analyses about loads and stresses
- Evaluate and select materials
- Generate construction drawings
- Develop fabrication and field installation plans
- Estimate costs and timetable for projects
- Inspect customer sites, review customer drawings, perform structural evaluations of existing structures, and assess project viability
- Define and lead the structural aspects of the product development roadmap
- Assist with customer proposal preparation

About you:

- You are passionate, genuinely curious, and innovative
- You have unwavering personal integrity and work ethic
- You are proactive and productive – you complete tasks in a timely manner
- You are interested in working with your hands and building things
- You are adaptable and excel working in a fast-paced dynamic environment

Qualifications:

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- Bachelor's degree in Civil or Structural Engineering
- 5 years of work experience as a Structural Engineer, Stress Analyst, or equivalent; experience with industrial structures and equipment is a plus
- Familiarity with steel, wood, and fiberglass
- Professional Engineer license is a plus
- Familiarity with fabrication and manufacturing processes
- Experience in construction, equipment installation, and/or carpentry is a plus
- Ability to work independently and meet deadlines
- Excellent communication skills
- Experience with "atypical" or creative structures is a plus

Contact:

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