

InfiniteCooling

Electrical Engineer

Infinite Cooling's mission is to mitigate water scarcity and reduce emissions around the world by making industrial cooling more efficient. We help 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 Electrical Engineer to join our team and work on all product development stages from R&D to design, prototyping, and testing through to manufacturing 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:

- Design and build electrical cabinets for control and data acquisition
- Create and maintain electrical schematics
- Create and maintain control and data acquisition software in Python/C/C++; software work may include dashboard and database development
- Work with team on deploying remote sensing and communications
- Travel occasionally to provide hands-on support at customer sites, including directing and communicating with electrical contractors
- Support mechanical and R&D engineers in general electrical matters, such as designing sensor and control systems to support in-house testing and research

Preferred skills and experience

- Bachelor's degree Electrical Engineering or related fields with 2 years of work experience.
- Programming experience, particularly in Python and in Linux-like environments
- Experience with electrical cabinet design
- Familiarity with SolidWorks Electrical or AutoCAD Electrical; training in SWE will be provided if necessary
- Familiarity with industrial sensors and communications standards (Modbus, RS485, 4-20mA signals, etc).
- Good understanding of electromagnetism and general physics
- Familiarity with the National Electrical Code (NEC)
- Experience with EMI / RFI
- Relational database design and simple GUI/dashboard development
- Safety-first mindset around electrical systems.

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Current location:

121 Madison Street, Malden, MA 02148

Contact:

Maher Damak, CEO

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