



Contract Mechanical Engineer

Altus Thermal *Somerville, MA*

About Altus Thermal

Altus Thermal is a Boston-based startup rethinking home energy use. We're developing a smart hardware product that will drive higher efficiency, provide greater comfort, deliver a more modern user experience, and increase benefits to the electrical grid. If you want to be an early part of a growing cleantech startup driving substantial climate change, keep reading.

The Role, At-a-Glance

Altus is seeking a Boston-area Contract Mechanical Engineer for a three month period - there may be the potential to transition to a full-time position after that. This role will partner closely with the founders to accelerate early development, prototyping, and testing critical to the commercialization of Altus' innovative cleantech product. While much of the work can be done remotely, physical prototyping and testing will require onsite presence at Greentown Labs in Somerville, MA where our lab space is located.

What Will I Do?

As a core part of the Altus Engineering team, you will:

- Build an impactful new product by designing several hardware innovations at all levels of complexity, from component to subsystem to fully integrated architecture
- Conduct research and concept ideation to identify the most promising development paths to pursue, then use CAD to make them come to life
- Get your hands dirty building and hacking everything from simple breadboard prototypes to full works-like prototypes
- Leverage engineering best practices to help define technical targets, testing protocols, and success criteria
- Conduct testing, both through simulation and physical prototyping in a lab - then interpret the results to make informed design iterations so we can build and test some more until it's right
- Partner with the CEO and VP of Engineering to help shape the technical vision of the product while ensuring this vision aligns with the broader product vision and business strategy

What Qualifications Do I Need?

We're looking for someone with a proven track record in hardware design, including:

- BSc in Mechanical Engineering or a similar technical field with at least 5 years of experience in hardware design - extra credit if you have experience shipping consumer products, familiarity with electronics and software controls (including control theory), and/or experience with CFD and FEA
- Ability to build and design complex assemblies in CAD, preferably Solidworks
- Strong hands-on skills, including the ability to build and test everything from quick-and-dirty prototypes all the way to more intricate prototypes with 3D printing, machined parts, etc
- Strong analytical skills - the ability to understand the problem-to-be-solved on a deep level and frame up a path to a successful solution; and the ability to interpret testing results on more than just a superficial level
- General knowledge of manufacturing best practices including design for manufacturing, part selection, and BOM creation
- High comfort level within a fast-paced environment - you'll be helping to build from the ground up so it's important to be flexible and capable of adapting to moving targets
- Self-starting attitude - while Altus is a highly collaborative team environment, we're looking for candidates who can take a general direction then run with it and make it their own

Want to Learn More?

Please email Mike at mting@altusthermal.com with your resume, portfolio, and brief thoughts on:

- Why are you interested in joining an early-stage company/how does it fit with your goals?
- When the time comes for reference calls, what will your colleagues say about you?
- What's your proudest professional achievement?