

Research Engineer

Job Overview: Techstyle Materials develops multifunctional construction materials that increase the durability, energy efficiency, and comfort of buildings while simplifying construction. We are looking to hire a Research Engineer who will lead the performance testing of our patent-protected material technology in the laboratory and in the field. The Research Engineer will play an essential role in the development and introduction of new construction products and will work closely with Techstyle Materials' Formulations Chemist to improve materials and installation practices.

Responsibilities and Duties:

- Design and carry out laboratory tests to characterize materials and determine their impact on the moisture, thermal, and mechanical performance of wall sections.
- Design and assemble monitored wall sections for the testing of new construction materials in the field.
- Perform building performance simulations using WUFI Plus, COMSOL, or other tools.
- Design and perform experimental tests to investigate the resistance of wall assemblies to fungal growth.
- Develop efficient and reliable methods for installing multifunctional materials.
- Produce technical reports for customers, partners, and public communications.
- Work collaboratively within our R&D team to create valuable product applications of Techstyle Materials' multifunctional material technology.

Desired Qualifications and Skills:

- BS degree or other formal training in engineering, physics, or a related field
- Experience building automated measurement systems with sensor and/or video inputs
- Basic carpentry skills
- Comfortable working with chemicals and biologicals
- Able to learn computer-based simulation techniques
- Creative problem-solving skills
- Able to work independently
- Excellent communication skills
- Able to lift 40 pounds, climb ladders, and use personal protective equipment

Additional Information:

The job is based at Greentown Labs in Somerville, Massachusetts. Greentown Labs is the premiere cleantech incubator in the United States. Field testing and pilot projects may require multi-day travel to testing locations.

Contact: Derek Stein, Founder and CEO, derek@techstylematerials.com

Techstyle Materials is committed to equal treatment for all individuals and does not discriminate on the basis of race, color, gender, disability, age, religion, sexual orientation, or national or ethnic origin. We further value diversity of experience and thought and encourage people who bring unique perspectives to apply for this role.