



R&D Electrical Engineer

Overview

We are an exciting, revolutionary chem-tech start-up that has altered the smart textile technology. Our initial product is conductive/heated garments. Traditional smart textile/garments uses metallic wires or carbon prints to achieve conductivity in fabric. As these components are externally attached or integrated into the fabric structure, it renders the resulting garment bulky, inflexible and prone to wear and tear. Invented at UMass, Amherst, our patented and scalable vapor deposition application converts widely available commodity fabric into active joules heater by depositing layers of conductive coating without altering the feel or form of the fabric. "Your clothes need to feel comfortable before they are smart" is our goal in transforming the smart garment industry.

Position Summary

We are looking for an Electrical Engineer to work with our engineering team to design and implement circuitry using our conductive textile and assist in developing functional prototypes, as well as assist in developing our scaled manufacturing machines.

What You'll Do

- Work closely with the R&D team to design and build the electrical and electronic components needed to develop functional prototypes starting with heated gloves.
- Assist Design team in conceptualizing and designing electrical and electronic components for the R2R VDC.
- Prepare project tasks to manage scope, materials sourcing, resource allocation, timeline and budget.
- Work closely with design engineers, suppliers and external manufacturing stakeholders to develop new relationships and manage existing.
- Work under general direction, independently identifying and developing approaches to solutions.
- Attend management meetings and provide suggestions for operational excellence and continuous improvement.

Who You Are

- Interested in working in a start-up environment and excited to work in fast paced dynamic landscape. Has to be a self-starter and work well in ambiguity.
- Excellent communication skills, strong interpersonal skills, and ability to work with others in a collaborative manner.
- Ability to manage multiple tasks simultaneously and prioritize work activities both independently and in a team environment.
- Bachelor's degree in Electrical, Electronics or related education is required, Master's preferred, 2 years of experience preferred.
- Independent problem solver, hands-on, highly upbeat, great teammate, and proactive.



We understand it takes a diverse team of highly intelligent, passionate, curious, and creative people to solve the challenges we are working on. We are looking to onboard a determined and excited intern that will be part of an early team and be exposed to a culture of fast paced start-up.

At this time, we are only able to hire US Citizens for this position.

Job Type: Full-time

Pay: \$28.00 – \$34.00 per hour

Benefits

- Flexible schedule
- Paid time off

Schedule

- Day shift
- Monday to Friday

Company Location: Charlestown, MA

Website: www.soliyarn.com