



Research Fellow | Functional Apparel Design

The Biodesign Lab at Harvard University seeks a talented and creative Research Fellow to contribute to the design, fabrication and testing of structured, functional textiles for wearable robotic applications. Working closely with the Lab Faculty and the Apparel Design Team the ideal candidate will have the following responsibilities:

- Follow, create, modify and contribute to new concepts and patterns that improve and optimize form, function, fit, comfort, style, sizing, and testing requirements.
- Communicate apparel concepts by draping, hand drafting, digitizing, technical sketching and prototyping.
- Cut and sew first prototypes and duplicate existing prototypes with high workmanship, timely execution, and hard deadlines.
- Prototype and create sample constructions using an industrial single needle sewing machine, industrial walking foot machines, combined overlock and cover stitch machines.
- Documentation to track changes over multiple prototype iterations, via technical drawings in Illustrator and InDesign as well as physical samples.
- Observe, collect, and document quantitative and qualitative feedback during performance testing to identify necessary metrics to measure and optimize various system parameters against functional requirements.
- Consolidate and present data such as, fit and comfort responses from all subjects tested, suit drift, and suit alignment, clearly and concisely to a multi-disciplinary team.
- Assist with studio and prototype organization and inventory for our growing soft robotics material library.

The ideal candidate will have the following qualifications:

- Completed or soon to complete a Bachelors Degree in apparel design, textiles, industrial design or similar field.
- The ability to work well in a multi-disciplinary team environment and without supervision.
- Strong interpersonal and communication skills.
- Excellent time management and attention to detail.
- Ability to work on-site in Cambridge, MA for one year with the possibility of extending based on performance
- Prior experience working on technically sophisticated apparel projects, fabrication of medical braces/orthotics, or wearable technology is a plus
- Prior experience with CAD Pattern software such as Optitex/Gerber is a plus

Interested candidate please send a cover letter, resume and portfolio/work samples to diana.wagner@wyss.harvard.edu by: February 20, 2017