

JOB TITLE:

HensWEAR Designer, Coordinator and Fabricator

JOB LOCATION:

University of Delaware STAR Campus

CONTEXT OF THE JOB:

The Delaware Rehabilitation Institute is seeking a part-time miscellaneous wage (non-benefitted) employee to provide technical support for the University of Delaware's HensWEAR initiative. The HensWEAR team (<https://sites.udel.edu/henswear/>) seeks to engineer smart wearables for athletics and rehabilitation. The HensWEAR technician will be responsible for fabrication and testing of a large range of wearable technologies. This position requires strong organizational skills, working knowledge of multiple manufacturing modalities, and close attention to detail.

Specifically, the successful candidate must have working knowledge of Computer Aided Design (CAD) since the primary job focus is to design objects using CAD that are then 3D printed/manufactured by you. In addition, the ability to network across campus to determine availability of other fabrication techniques (i.e. machine shop, other manufacturing instruments, etc.) that can promote success to the manufacture of components that aid healing is required.

This position will also have oversight from Staff at the Delaware Rehabilitation Institute (Prof. Michael Mackay) and the Director of Sport Performance in UD Athletics (Mr. Daniel Watson). This successful candidate will work directly with University of Delaware varsity student-athletes creating unique custom wearables to allow student-athletes to return quicker and safer from injury.

MAJOR RESPONSIBILITIES:

- Fabricate specific components using a diverse set of manufacturing techniques including but not limited to 3D printing, laser cutting, CNC routing, industrial sewing, and electronics
- Develop computer aided design (CAD) models
- Fabricate CAD models into real products for use during rehabilitation
- Provide technical support and offer training sessions for shared HensWEAR equipment
- Communicate with HensWEAR team members about priorities, timeline, and deadlines
- Prioritize job order and adhere to job time constraints
- Adhere to shared resource policies (i.e. Maker Spaces, workshops, etc.)
- Document standard protocols
- Perform miscellaneous job-related duties as assigned
- Complete [renew] prescribed training, including safety and first aid certifications

QUALIFICATIONS:

- High school diploma or equivalent required
- Current or recent manufacturing experience
- Experience with computer aided design necessary
- Comfortable working with different technologies
- Professionalism, punctuality, and strong time management skills
- Ability to think creatively and collaborate with a high-functioning team

JOB INFORMATION:

- Hourly Rate of Pay: \$20.00 per hour
- Average Hours: 20 hours per week
- Available Hours: Flexible
- Apply: Send resume and cover letter to Business Administrator, Marlo Goss
mgoss@udel.edu