Position: HensWEAR Designer/Fabricator

Work Location: STAR Campus, Health Sciences Complex / STAR Tower

Pay: $20/hour

Hours: up to 30 hours/week

CONTEXT OF THE JOB:

Mobility is a key determinant of quality of life throughout the human lifespan, ranging from early childhood development and learning to healthy physical activity and peak sports performance to maintaining independence into advanced age. The HensWEAR team is an interdisciplinary group of University of Delaware researchers and partners focused creating innovative functional garments and related materials to enhance mobility. This expertise, coupled with the development of the STAR campus, improvements in athletics facilities, and establishment of maker spaces and additive manufacturing capabilities, points to enormous opportunities for UD.

HensWEAR mission:

- Establish a core group of researchers and partners to create innovative functional garments and materials
- Employ state-of-the-art methods of materials/fabrics processing, fabrication, functionalization and testing, with applications ranging from improving mobility, facilitating recovery and improving/monitoring performance
- Engage a broad community of participants among the academic units at UD, clinical partners, and Athletics

The HensWEAR team is seeking a dedicated part-time Designer/Fabricator to coordinate and deliver prototypes for HensWEAR team development and testing. The position will be located in the Innovation Health & Design Lab at STAR Tower (UD Newark Campus) under the supervision of the Director of Innovation.

MAJOR RESPONSIBILITIES:

- Serves as a primary fabricator for the UD HensWEAR principal investigators.
- Fabricate current HensWEAR prototypes as prioritized by the supervisor
• Design and develop new prototypes in partnership with HensWEAR team and partners.
• Collaborates with Innovation lab personnel and outside partners to develop research projects
• Provide consultation to HensWEAR team on project design deliverables and outcomes.
• Maintain and monitor Innovation lab equipment, as needed.
• Coordinates purchasing of all HensWEAR supplies with Innovation lab personnel.
• Responds to internal and external inquiries in a timely, thorough, and respectful manner.
• Assists the Director of Innovation with coordination, organization, and management of the HensWEAR research projects.
• Performs job-related duties as assigned.

QUALIFICATIONS:
• High school diploma or GED and two years of experience in 3D printing, CAD, and related fabrication methods for wearables.
• Ability to handle multiple tasks concurrently, and skill in organizing resources and establishing and adjusting priorities in a dynamic environment.
• Ability to work independently, anticipate issues and proactively seek resolutions.
• Effective interpersonal, collaborative, and communication skills.
• Strong organizational and attention to detail skills.
• Ability to adjust to a changing environment.
• Ability to establish effective working relationships with internal colleagues and external partners, including the ability to develop and strengthen partnerships.
• Excellent people skills, outgoing, personable and enjoys working with and helping the University.
• Ability to work and engage with individuals with diverse ability levels and backgrounds.

To apply, please send resume, cover letter, and examples of previous design work to the attention of Jessica Smith, innovationlab@udel.edu

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