

R&D Design Engineer with Focus on Hardware Design

The company

VitalWear is an early stage startup company based in Eindhoven, developing textiles and clothing with integrated photonic sensing technology for non-invasive medical applications. Our vision is to become a leading provider of medical grade wearable sensors that can safely, continuously, and comfortably measure key parameters of patients. Our first application is aimed at the early detection and more effective treatment of pressure ulcers, a global healthcare problem which is growing due to the aging population.

VitalWear is currently recruiting for several key roles to build its technical team and to develop its first functional prototype.

Why join us

Are you seeking a challenge within a dynamic environment and aiming to apply your skills to make a positive impact on society? Are you driven by the art of prototyping? Are you an ambitious engineer who is keen on designing and bringing new products to life? Do you want to be part of a team that develops cutting-edge technologies and aims to disrupt the non-invasive healthcare market?

Then, this position might be the right opportunity for you!

Role and responsibilities

As an R&D Design Engineer you will be a member of our R&D team and you will be responsible for designing, realizing, and validating prototype sensor solutions. In particular, you will be responsible for:

Design:

- Develop/optimize new designs and concepts
- Contribute to continuous improvement based on test results or customer feedback
- Design for High Volume Manufacturing
- Document designs and implement a change control process

Realization:

- Assembly of textile sensors in our in-house laboratory
- Collaborate with partners/suppliers to adapt existing manufacturing processes in the textile industry to enable large scale integration of optical fibers

Validation:

- Validate designs via small-scale prototypes or simulations
- Analyze and characterize performance via experiments
- Report and document findings to internal team
- Engage in problem solving and contribute with out-of-the-box solutions for design improvements

Cross-functional contributions:

- Contribute to high quality reports such as patents or publications
- Expand laboratory infrastructure and capabilities
- Extend automation capabilities in laboratories
- Competence sharing & mentoring of newer team-members

We are looking for a person who has/is

- Master degree or PDEng in Mechanical, Electrical, Mechatronics Engineering or a similar discipline
- 5 years of experience in a similar position
- In depth knowledge of hardware design tools
- Experience with Fiber Optics will be considered a plus
- Programming skills are a plus (e.g. Python, C/C++ or MATLAB)
- Strong verbal/written communicating skills in English
- Fluency in Dutch will be considered a plus
- Solid analytical skills
- Hands-on mentality
- Innovative, enthusiastic, driven and a self-starter

We offer

- Fast growth and personal development options
- Opportunity to shape tomorrow's healthcare as part of a small team
- A warm, open, dynamic and friendly startup environment
- Possibility to benefit from company's success via Stock Appreciation Rights

Envision your impact on the future of healthcare with us at VitalWear. Join our voyage to forge a healthier tomorrow through groundbreaking technology and inventive design. Seize the moment and apply now to embark on this transformative journey!