

## **Biomedical Engineer**

**Location:** Richmond, VA

**Anticipated Start Date:** August 1<sup>st</sup>, 2019

### **About the Company:**

NIRSense is a medical technology company focused on creating world-leading wearable sensor systems to measure cerebral oxygenation. We're a small, dedicated team seeking candidates interested in thoroughly understanding problems, excited about designing devices with broad applicability, and ready to follow where the prototype process leads us. We're searching for a fellow enthusiast to play an integral role in expanding our engineering team and capabilities.

### **Job Summary:**

We are seeking an experienced Biomedical Engineer to fulfill a broad set of engineering outputs. This person will provide technical design input and engineering support in the areas of electronics design, product development, verification & validation, and manufacturing process engineering. This person will also support software integration (including firmware and application interface) in collaboration with our engineering team and external vendors.

**Salary:** Compensation package will be commensurate with the successful applicant's experience.

**Hours:** Full time

**Travel:** 10-20%

### **Job Requirements:**

- Ph.D. in Biomedical Engineering plus at least three years relevant industry experience or
- M.S. in Biomedical Engineering plus at least five years relevant industry experience
- Experience with research and development of consumer and/or wearable systems
- Product and process engineering support experience through all stages of development
- (Preferred) Electronics experience with optical systems interfacing the human body
- (Preferred) Hardware development experience for military testing requirements (MIL-STD)

### **Job Responsibilities:**

- Lead the development of compact, wearable systems that involve digital and analog circuits, microcontrollers, optics, communication components, and other electrical components.
- Coordinate schematic, PCB design, and embedded development with existing engineering team
- Perform setup, calibration, testing, and troubleshooting of circuits and system components
- Assist with implementation of best practices for design controls and quality management systems including version control, configuration management, secure and compliant data storage and handling
- Assist with troubleshooting during and after manufacturing
- Provide support to customer on-site and remotely for stage-gated device test milestones
- Provide technical writing support for user guides, technical reports, and incident reports
- Report to the CTO

Interested applicants please forward 1) Cover Letter, 2) Resume/CV, and 3) Three professional references to [Careers@BionicaLabs.com](mailto:Careers@BionicaLabs.com).