Data Analytics Researcher

**Position:**
Full-time, Salaried

**Start:**
Immediate

**Location:**
Naperville, IL (60563)

**Salary:**
$65-95K commensurate with experience

**Benefits:**
- Stock option plan participation
- Health/Dental
- 401K Plan
- 17 days PTO starting
- Gym membership (on premises)

**Job Description:**

VGBio is seeking an innovative person skilled in the areas of data analysis, signal processing and machine learning to work as a core member of our team analyzing biosignal data, implementing and testing data analysis algorithms, and applying pattern recognition/machine learning techniques to human physiological data. This work is core to our innovative wearable health monitoring device and back-end predictive analytics system. The candidate will work with our R&D team and will be responsible for analyzing clinical trial data and for delivering technical solutions to support our R&D and product development efforts.

VG Bioinformatics ([www.vgbio.com](http://www.vgbio.com)) is a suburban Chicago-based technology startup. VGBio has developed and is a commercializing revolutionary, patented predictive analytics algorithms and software, and wearable body sensors for advanced at-home patient monitoring in healthcare. We strive to provide a stimulating, flexible work environment for smart, talented people who want to work on fascinating new technology and deliver groundbreaking products for healthcare.

This position will appeal to you if: You are self-starter, comfortable working with minimal structure; enjoy the rapid-paced, idea-rich culture of a dynamic early phase tech company; love learning new technologies; and are willing to do what it takes to get the job done in a lean startup environment.

**Requirements:**

- Minimum MS degree in a relevant STEM field (science, technology, engineering and mathematics)
- 3+ years demonstrated experience working with real-world, large, multivariable data sets
• Knowledge of machine learning and multivariate statistical analysis techniques
• Knowledge of data cleansing, smoothing, and signal processing techniques
• Strong knowledge of MATLAB

Helpful:
• Experience in analyzing human biosignal data
• Familiarity with human cardiopulmonary systems
• Familiarity with biosignal sensing, and vital signs calculations
• Familiarity with anomaly detection, and signal validation techniques
• Working knowledge of Python, C, C++, Java, and other software development tools