Healthcare Data Scientist
– Ann Arbor, Michigan

The Opportunity
As a Healthcare Data Scientist, you will become a key member of the Data Analytics team at Afia. This role will work with all of our service lines to identify and deliver results on high-impact projects leveraging big data analytics and machine learning. Your objective is to apply data science skills to important business problems.

In this position, you will be advocating the power of data science concepts and working with cross-functional teams to create actionable insight across core business lines. You will identify relevant skill and knowledge gaps needed to solve business problems and provide hands-on machine learning experience solving major healthcare problems.

We are looking for someone who is passionate about asking and answering questions through the use of large structured and unstructured data. It is critical to have exceptional communication skills and the ability to make complex concepts simple and easy to understand.

* This position will be based out of our office in Ann Arbor, MI

Other Responsibilities
- Become the leading member of our new data science services to discover insights and identify opportunities through the use of statistical, data mining and visualization techniques
- Advocate the use of deep learning and other advanced machine learning algorithms (RBM, NLP, RNN, DL) to extract novel insight from healthcare data assets
- Document findings, including assumptions and validation work in a clear structured manner
- Summarize and present findings; adjust the content and level of detail to appropriate level of the audience
- Utilize a diverse array of technologies and tools as needed, to deliver insights, such as R, SAS, Python, Spark, Hadoop, Qlikview, PowerBI, and Tableau
- Drive client engagements focused on Big Data and advanced business analytics, in the Healthcare space; communicate results and educate others through reports and presentations
- Perform exploratory data analysis, generate and test working hypotheses, and uncover interesting trends and relationships
- Use strong business, problem solving skills and programming knowledge to quickly cycle hypotheses through discovery
- Work closely with clients, clinicians, data stewards, and other business and technology leaders to frame problem definition and potential solutions

Requirements
- Advanced degree in a quantitative field, engineering, computer science, statistics, applied mathematics, bioinformatics, epidemiology or similar
- 5+ years of experience in statistical analysis, quantitative analytics, and / or forecasting / predicting analytics in a corporate or Post Graduate setting
- Strong mathematical background with strong knowledge in at least one of the following fields: statistics, data mining, machine learning, statistics, operations research, econometrics, natural language processing, and/or information retrieval
- Deep experience in extracting, cleaning, preparing and modeling data
- Experience with command-line scripting, data structures, and algorithms; ability to work in a Linux environment
- Proficient in the big data ecosystem such Hadoop, Spark, and Storm and programming languages (e.g. Python, Ruby, Java, Scala)
Preferred Qualifications

- Expertise in operations research and optimization
- Experience working in an Agile Software Development environment
- Experience with business intelligence tools such as Tableau
- Experience with healthcare data
- Experience with big data technologies such as H2O and others

Who we Are

We are a healthcare consulting firm based in Ann Arbor that works with organizations across the country to optimize healthcare delivery by deeply understanding their needs, implementing the best solutions to their problems, and checking whether they made a difference.

The Perks

We provide our employees with benefits including: employer paid premiums for medical coverage, dental benefits, 401(k) with a 3% employer contribution, paid vacation time, sick time, parental leave, adoption leave, and a flexible work atmosphere.