

Position: Bioinformatics Analyst I

Responsibilities:

The successful candidate for the position of Bioinformatics Analyst I will be responsible for requirements analysis, algorithm design and development of analysis pipelines with a focus on complex machine learning applications, data management and representation, and software and hardware systems, with a focus in bioinformatics. The BIA-I will join an interdisciplinary team of software engineers, computational biologists, other bioinformatics analysts, laboratory scientists and management executives who are working together to develop new methodologies to rapidly and accurately identify new genotypic and phenotypic factors that may lead to disease, and to provide best-in-class platforms and technology for pharmaceutical and other healthcare & life sciences customers so that those customers may develop better options for disease diagnosis and/or treatment. The BIA-I will be expected to maintain a high level of professional standards in analysis, development, and coding to support the various initiatives and activities of the organization. The successful candidate will have a demonstrated ability to work in a fast paced, high quality environment with a focus on delivery of high speed and high availability systems and solutions.

Requirements:

Undergraduate degree in the Biology, Computer Sciences, Applied Mathematics or other related discipline or equivalent experience.

Masters degree in Bioinformatics or other related discipline. 2+ years experience with software programming in Windows and Linux environments; Must have demonstrated competency in four or more of several programming languages, libraries, components and applications: C#, C++, Python, F#, and Java. Experience with javascript, CUDA, and C are a plus. Experience with machine learning algorithms, HPC for bioinformatics, full stack solution building (i.e., IIS, Apache, SQL, MySQL, Neo4j, etc.), and scientific literature analysis are strongly preferred skills;

Relevant experience or formal training in computational biology, artificial intelligence analytical methodologies, and statistics is a plus; Demonstrated capability as a creative problem-solver, detail-oriented, self-motivated, and able to work independently as well as within cross-functional teams.

Additional Key Responsibilities Include:

- Providing Bioinformatics and Big Data analytical expertise;
- Developing innovative analytical methods to enable co-workers and customers upon request to interpret and design follow-up research;
- Providing support to in-house and customer researchers to specify, develop, and implement sophisticated data analyses;
- Participate in the development of materials for publications, meetings, presentations, marketing, and other commercial efforts;
- Contributing to documentation as well as internal and external project-team reports;
- Performing Quality Assurance/Quality Control for Company offerings;
- Providing Customer Support for Company deliverables;
- Actively participating in project team and group meetings;
- Other tasks and activities as requested by Management from time to time.