

Senior Data Scientist/Bioinformatician

Location: **Arlington, VA (flexible)**

Description

Netrias is a fast-growing Artificial Intelligence (AI) company that specializes in the application of machine learning models for biological applications such as genome engineering, target identification, and drug discovery.

Netrias is committed to creating a diverse environment and is proud to be an equal opportunity employer. Netrias recruits, employs, trains, compensates and promotes regardless of race, religion, color, national origin, sex, disability, age, veteran status, and other protected status as required by applicable law.

Job Summary

We are seeking a talented Senior Data Scientist with a background in biology or Senior Bioinformatician with a strong data science background that can lead and contribute to the development of machine learning algorithms and technologies for biomarker discovery. You will be working directly with the Chief Data Scientist in defining and executing the AI capabilities of the company.

Qualified candidates will:

- Lead research projects: set the technical direction for these projects; task, supervise and manage the performance of colleagues; and allocate and expend the associated budgets.

- Significantly contribute to the design, development, and application of data mining, statistical analysis, and machine learning methods applied to multi-omics and phenotype datasets.
- Collaborate with software engineers to implement, test, automate, and apply mathematical algorithms from research

Requirements:

- Knowledge of bioinformatics tools and analyses such as differential expression analysis, gene set enrichment analysis, and network analysis
- Familiarity with genomic, transcriptomic, proteomics, and/or metabolomics processing pipelines
- Knowledge of problem analysis, mathematical formulation, algorithm development, and model implementation
- Expert Proficiency in Python or R
- Excellent written and oral communication
- Masters degree or higher in Bioinformatics, Computational Biology, Bioengineering, or Masters degree in Computer Science, Statistics, Mathematics, Electrical Engineering, or similar discipline with a biology background
- 2+ yrs of industry relevant experience (can be substituted for postdoc experience)