Senior Data Scientist

Join the fight against diseases and make an impact in the world of medicine

Want to be at the cutting-edge of AI-driven discovery that will disrupt the fight against disease? CytoReason is looking for a senior data scientist who is eager to make their skills count in making life-saving discoveries.

Who are we?

CytoReason is a young start-up, but we are already putting our technologies to use in collaboration with leading pharma companies and top research institutions in the search for new ways to fight life-threatening conditions in immune-oncology, autoimmune and inflammatory diseases.

CytoReason is developing the world's most in-depth model of the immune system. The immune system lies at the center of human health – it plays a pivotal role in virtually all disease pathways and in almost every drug development program. Understanding that system is the key to unlocking new research directions. This model uniquely positions us to assemble immune-centric disease views, rationalize interpretation of multidimensional experimental data and accelerate hypothesis generation.

Our technology, built on the back of a decade of research from Stanford and the Technion, is validated and peer-reviewed, producing results and in demand. We are already working with leading customers such as Pfizer and the Parker Institute. The need for our capabilities is growing fast and we are scaling our operation.

We take an integrated approach to delivering our insights and we have built a diverse and extraordinary team of experts (largely comprised of PhDs) which includes biologists, immunologists, software engineers, computer scientists and bioinformaticians – all with outstanding credentials and track records.

Who are we looking for?

Values

We are a very open company, with people from many different backgrounds, where thoughtful disagreements are encouraged.

We are looking for people who are open-minded, mature and are have high integrity – and that appreciate these values in others.

Abilities

The responsibilities for this position include complete ownership of algorithms for internal and external users as well as leadership in defining and developing them.

Therefore, we are looking for people who are self-motivated, have good project-management skills, can communicate effectively with peers and clients to understand their needs and are good at prioritizing work.

They also need to be consummate professionals who regularly produce excellent results and take pride in their work.

Required Skills

Solid academic background: MSc/PhD in Bioinformatics, Statistics, Math, Computer Science or another related field.

Familiarity of Machine-learning fundamentals: Clustering, classification, experimental design, etc.

Understanding of Statistics: Proper usage of statistical tests, regression, etc.

Software development: Proficient in Python and/or R, experience in delivering high-quality software

Working with data: Experience in acquiring, processing, cleaning, analyzing, interpreting and reporting.