



Job Description: Data Scientist

About SpaceTime Labs

SpaceTime Labs (www.spacetimelabs.ai) is a Brazilian company — part of SpaceTime Ventures portfolio (www.spacetimeventures.com) — founded in 2014 that develops and operates automated AI platforms for planning, optimization and risk management of broad segments of the economy that are dependent on natural resources and are exposed to climate and water risk. Our teams include deep business operations, machine learning and computer vision, biophysical sciences, software and data engineering, robotics engineering, project management and UX & data visualization design expertise and skills who work in multi-disciplinary teams to solve complex planning, optimization and risk management problems.

We are looking for data scientists who have experience with machine learning, data analysis and visualization, and solid academic background or solid practitioner accomplishments.

As data scientist you will:

- Organize and extract information from heterogeneous tabular data
- Create algorithms and systems to process sensor, satellite, aerial, and drone data;
- Develop predictive models to solve business problems;
- Develop reports showing the results of the models, and their consequent benefits for the client's business

Required qualifications

- MSc./BSc./BA in Computer Science, Engineering, Statistics or relevant mathematically intensive fields;
- Proven experience using statistical programming languages (Python/Pandas, R, etc.);
- Experience in machine-learning and operations research (ability to read, understand and reproduce solutions from leading research papers of the area);
- Knowledge of a variety of machine learning techniques (deep learning architectures, clustering, decision tree learning, random forests, artificial neural networks, ensembles etc.) and their real-world advantages/drawbacks;
- Knowledge of best practices / most common mistakes in designing and implementing Machine Learning systems, mature instinct / intuition for real problem diagnostics and solving.
- Knowledge of advanced statistical techniques and concepts, and practical experience with applications;
- Knowledge in data visualization;
- Comfortable working within an agile and iterative prototyping in startups

Desirable (non-essential) qualifications

- Knowledge of Causal Learning concepts and tools.
- Knowledge of algorithm complexity / performance optimization
- Experience in processing and analyzing satellite and other georeferenced data
- Experience in time series processing
- Experience with some machine-learning tools (scikit-learn, XGBoost, Pytorch, etc.)
- Familiarity with one or more modern Machine Learning frameworks, such as pytorch or tensorflow
- Good communication skills

If you have interest, please send your CV to cc@spacetimeanalytics.com