



## Job Description: Computer Vision Data Scientist

### About SpaceTime Labs

SpaceTime Labs ([www.spacetimelabs.ai](http://www.spacetimelabs.ai)) is a Brazilian company — part of SpaceTime Ventures portfolio ([www.spacetimeventures.com](http://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, deep learning, data analysis and visualization and solid academic background or solid practitioner accomplishments.

### As data scientist you will:

- Extract information from machine sensor, video, satellite, aerial or drone data (RGB, multispectral, hyperspectral, radar, lidar, microwave) and create predictive insights;
- Create algorithms and systems to process sensor, satellite, aerial, drone, vehicle imagery (RGB, multispectral, hyperspectral, lidar);
- Organize and extract information from heterogeneous tabular data creating explainable and accurate models;
- Write technical documentation

### Required qualifications

- BSc/BA in Computer Science/ Eng., Engineering, Physics, Mathematics or relevant mathematically intensive fields;
- Computer vision background / Image processing and traditional computer vision (opencv, scikit, numpy);
- Proven experience using statistical computer languages (R, Python, etc.) to manipulate data and draw insights from large data sets;
- 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.
- Familiarity with one or more modern Machine Learning frameworks, such as pytorch or tensorflow
- Comfortable working within an agile and iterative prototyping in startups.

### Desirable (non-essential) qualifications

- Knowledge of algorithm complexity / performance optimization
- Time series processing
- Knowledge of advanced statistical techniques and concepts and experience with applications;
- Experience in GIS
- Experience in dev ops or production software deployment.

If you have interest, please send your CV to [cc@spacetimeanalytics.com](mailto:cc@spacetimeanalytics.com)