



Job Description: Senior Robotics Engineer

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.

As Senior Robotics Engineer you will:

- Develop solutions to automate different processes in sensing and acting in varied natural resource environments
- Design prototype autonomous robotics systems focused on use cases that integrate “sense, predict and act in-field”
- Project management, design and prototyping of robotic platform sub-systems
- Collaborate closely with computer vision and machine learning teams to create predictive insights

What are we looking for:

- BSc/BA in Computer Engineering / Computer Science / Automation and Control Engineering, or other related field.
- 2+ years industry / academic experience in software development for robotics. Additional experience in software development for embedded computing or automation is a plus.
- Good programming knowledge and experience coding in C++ (preferred) or Python.
- Ability to use Linux as the main operating system without issues.
- Experience with a robotics software framework (ROS/ROS2, ROCK, or any other)
- Ability to build a robotics application out of nodes/libraries that you did not code yourself.
- Previous experience implementing non-trivial algorithms on 1+ robotics subjects: navigation, control, localization, perception.
- Base knowledge of all the adjacent fields you did not work directly with, such as distributed computing systems, sensing and actuation.

This would make you stand from the crowd:

- Master or PhD degree in robotics
- Experience testing a robotics application in the lab and/or in the field.
- Coding skills in MATLAB/SIMULINK.
- Experience with MATLAB/SIMULINK auto-coding toolchain for robotics and/or embedded computing.

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