



# PROVECTUS ROBOTICS

Advance Your Vision

August 27, 2018

## **Robotics Engineer – Software**

Provectus Robotics Solutions is looking for a skilled and motivated robotics engineer to join its ARIS control software team. The successful applicant will be required to work on all aspects of PRS' proprietary robotics control system, with a focus placed on algorithm implementation and development for perception, control, and planning.

The applicant should have knowledge of robotic ground vehicle systems and sensors, have experience researching, implementing and developing new algorithms for robotic control systems and machine learning applications, have experience developing software applications in C++, and be comfortable contributing to a small team.

## **Requirements**

- Bachelor's Degree (Master's or PhD preferable) in Computer Science or a Robotics related field
- Experience developing at least one of SLAM, motion planning, robotic control, computer vision, multi-sensor fusion, or 3D mapping algorithms
- Knowledgeable in the application of Artificial Intelligence and Machine Learning concepts to ground robotic vehicle systems
- Ability to derive and understand basic geometric vehicle and sensor models
- 3-5 years of experience programming in C++
- Enthusiastic about robotic technology and its applications

## **Extras**

- Industry research and development experience
- Working knowledge of any Linux-flavoured operating system
- Experience working in a small team or start-up environment
- Experience with other programming languages such as Java and Python

## **How to Apply**

Send us your resume and a brief cover letter explaining your interest in unmanned ground vehicle systems.

[careers@provectus-robotics.com](mailto:careers@provectus-robotics.com)

## **About Us**

Provectus Robotics Solutions (PRS) are industry leaders in advanced robotic system design, integration and control. Located in Ottawa, ON, Canada, PRS delivers robotic control software and services to the aerospace, agricultural, industrial, mining, military and security industries. Since 2010, PRS has participated in design and development activities on many different robotic platforms, while delivering systems to customers world-wide. Our experience and mature technology base is why PRS is the preferred development partner for robotic system integrators all over the world.