SENIOR EARTH OBSERVATION SCIENTIST

JOB DESCRIPTION

Salary Range: £30,000 - £35,000 per annum depending on skills and experience.

Duration: 2 year fixed term, with six month probationary period.

Location: Plymouth Science Park, Derriford

Reports To: Managing Director, Pixalytics Ltd

MAIN PURPOSE AND SCOPE OF THE ROLE

Pixalytics Ltd is an Earth Observation (EO) company who use satellite data to provide products and services to clients to help them better understand the planet's resources and behaviour. We are a small company, setup in 2012, recognised for our ambitious and innovative approaches that combine high quality science with the delivery of downstream applications. We are seeking someone to support the growth of the company, including working within internationally focused projects alongside support for our online product and services offering that will be launched later this year.

Pixalytics is based on the Plymouth Science Park, in an open-plan office, with local PCs/laptops alongside the use of remote cloud computing resourced operating within Linux environments. The company contributes to an employee pension scheme and car parking is provided where needed.

Candidates will need to already have the legal right to reside and work within the UK, and the post is available to start immediately.

KEY DUTIES AND RESPONSIBILITIES

1. Creation, development, and improvement of a range of terrestrial and hydrological EO products including:
   a. Ensuring that all developed code is correctly commented, and supported by written technical documentation.
   b. Undertaking software testing and data quality analysis to ensure that outputs are robust and well understood.
   c. Maintenance and operation of the Linux-based processing system, alongside solving any issues arising.
2. Support existing contracts through tasks including data processing, analysis, and the production of reports.
3. To undertake scientific research and development, in conjunction with the Managing Director, to trial, test and develop innovative EO products and services.
4. Participate in the bidding/tendering processes of Pixalytics, providing technical inputs where relevant.
5. To develop relevant EO content for the Pixalytics website and social media activities.
6. Represent Pixalytics at conferences and meetings, supporting the company's current and future work.

PERSON SPECIFICATION

SKILLS	ESSENTIAL/DESIRABLE
Degree or post-graduate qualification	Essential
Experience in software programming and scripting, including Python and Linux commands such as wget.	Essential
Experienced of developing within the Linux Operating system.	Essential
Comfortable implementing mathematical equations and statistical / data analytics approaches	Essential
Strong self-management skills and ability to work for periods without supervision	Essential
Ability to organize, and work to deadlines	Essential
Structured, logical, analytical way of thinking including systems for working your way around a problem	Essential
System admin role / activities within the Linux Operating system.	Desirable
Willingness to learn new approaches, and potentially programme languages used in the Earth Observation community e.g. Pixalytics has legacy code in IDL that is likely to be called as a proprietary input.	Desirable
Supervision of junior staff and/or leading a team	Desirable