

Real-time Earth Observation Feed Development

Company: Space time Development Ltd

Location: Harwell Campus

Code: 18/53

Company Description:

Spacetime Development is an independent consultancy whose purpose is to provide value-added services to clients developing strategic partnerships, sponsorship, and business development programmes. Spacetime focuses on supporting High Tech sectors with an emphasis on the Space and Satellite industry.

Project Description:

We are developing a quasi-real-time space imagery data feed called RASOR (Real-time Accessible Space Operational Reel). RASOR will include both video and static images and be viewable on-line and in physical locations. By the end of the project, the live feed will include International Space Station external instruments and Sentinel data. The feeds will require an EO specialist to include accessible captions targeted at a wide audience.

Activities will include but not limited to:

1. Work with designers to implement user and customer interfaces of RASOR via both digital screen and on-line channels
2. Design and develop engine and data protocols
3. Collect data feeds from Sentinel and ISS and other EO sources
4. Generate accessible language for describing EO imagery to a variety of audiences including STEM, general public, and scientists
5. Develop operational plan for RASOR and implement with Spacetime Development customers and gather feedback
6. Begin promotion of product to potential new customers
7. Meet regularly with supervisor for review and feedback
8. Develop CV and introduce to Space organisations around Harwell Campus
9. Produce an academic poster for presentation at a dedicated SPIN Showcase Event at the UK Space Conference 2019

Skills to be exercised and developed:

- Web tool development and programming
- Working with cloud computing environments
- Developing Graphical User Interfaces
- Written and verbal communication

- Customer interaction

Applicant Specification:

Minimum Requirements:

- Recent graduate or pursuing science or engineering degree at Bachelor's or Master's level related to Earth Observation science (e.g. Geospatial Intelligence, Earth Observation Science, etc.)
- Understanding of Earth Observation instrumentation and measurement techniques
- Experience in web development and programming (e.g. Java, C++, etc.)
- Knack for design including Graphical User Interfaces
- Familiarity with Cloud Computing services and APIs
- Passionate about Space and connecting people and businesses to Space
- Able to communicate (written and verbal) with all ages and at all levels including audiences with technical and non-technical backgrounds
- Ability to work in a team and on own
- Self-motivated and creative

Preferred Additional Requirements:

- Interested in business development and commercialisation

Further details:

8 weeks fixed term contract to be agreed with successful candidate but nominally with a start date around 26 November 2018, with a completion at latest by 28 Feb, 2019. Salary is £1,500 per calendar month.

Closing Date for Applications: 3 December 2018

Applications should be made through the online form attaching a CV, before the closing date. Please note that elements of the form left incomplete will be deemed to render the application ineligible. They will be checked for eligibility and forwarded to the employer.