Project 18.28 - Geocento Website Content and Development

Company: Geocento

Supervisor: Kim Partington

Location: Harwell

Company Description: Geocento is a small and friendly, but ambitious company which is aiming to disrupt the space imaging business by aggregating and consolidating imagery of our planet from all available sources, and then selling imagery and derived business intelligence to multiple markets around the world, including agriculture, insurance, security and maritime operations. We are currently in the process of scaling up the ability of our business to respond to the range of business opportunities that we are encountering, and this proposed project will play an important role in contributing to this.

Project Description: Geocento is looking for a candidate with an excellent understanding of, and interest in, Earth Observation systems and imagery who is able to contribute to the next generation of our internationally recognised image search and ordering platform, EarthImages. The project focuses on the need of potential customers to be able to access samples of imagery before they buy, and the project is expected to make a significant difference to the user experience in finding and then buying imagery.

The selected candidate will contribute through the following tasks:

- collect representative sample imagery from the different world wide image suppliers Geocento has agreements with

- design a sample viewing page to be integrated in EarthImages. This page will help users understand and visualise what each satellite instrument is able to provide in term of imagery (resolution, bands, quality). The actual implementation (coding and production) of the sample page will be done by the Geocento Madrid office.

- write simple image processing algorithms (in Python code and using GDAL) to turn the various sample products (from the different platforms and suppliers) into imagery which can be published and viewed in a map.

- design and write help pages explaining the basic Earth Observation concepts, such as resolution, off nadir angle, orthorectification, generate videos of satellite orbits, etc...

At the end of the internship, there should be a new page within the EarthImages application as well as help pages in the Geocento website that reflects and articulates Geocento's expanded range of products supported. This will help bring in potential new customers.

Applicant Specification: We are looking for a creative intern with good communication and writing skills, strong understanding of Earth Observation systems and imagery and capable of writing small image processing algorithms. The applicant should be enthusiastic, have very

good written skills, have an instinct for how to present offerings via website and what would attract customers. The applicant should be willing to interact with the Geocento team and potentially partners to ensure that relevant content is provided and be comfortable with creating websites and associated content.

Minimum Requirements: evidence of Earth Observation knowledge, computer skills and clear articulation of offerings and/or concepts, good team work skills, excellent writing skills.

Preferred Additional Requirements: python, gdal, wordpress experience.

Further details:
8 weeks minimum fixed term contract to be agreed with successful candidate but nominally with a start date around 18 June 2018, when the SPIN Induction Day will be held at the Satellite Applications Catapult, Harwell. Salary is £1,500 per calendar month.

Closing Date for Applications: 12:00, Tuesday 5 June 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.

Apply here: https://sa.catapult.org.uk/people/space-placements-industry-spin/