

Improving sustainable agriculture in Uganda: building an Early Warning Platform

Code: 19/11

Company: RHEA TECH Ltd

Location: Harwell Campus, Didcot

Company Description:

RHEA Group offers aerospace and security engineering services and solutions, system development, and technologies. With 25 years of experience in the professional engineering service market, RHEA Group opens the world to the engineering services of tomorrow. The company's background and roots are within space, and it has grown and expanded to other fields, including aerospace, concurrent design, system engineering, physical security and cybersecurity. RHEA Group employs more than 350 engineers and scientist worldwide. The company has supported more than 100 spacecraft, covering space missions such as Rosetta, Mars Express, Copernicus, and Galileo with the Manufacturing and Operations Information System (MOIS). Top clients include the European Space Agency, Canadian Government, EUMETSAT, the European Commission, EBU, CERN, NATO, Belpo. Headquartered in Belgium, RHEA Group also operates in Canada, Czech Republic, Italy, France, Germany, Spain, Switzerland, The Netherlands and the United Kingdom.

Project Description:

RHEA as the consortium lead has a 10-strong team working with our partners to build the DFMS platform. You will join this team to harness the partners' skills in Satellite Earth Observation, Meteorological and ground-based data.

There is scope to get involved with many areas of the platform build including back end and front end development to:

- Contribute to the research and development of a new set of earth observation related products.
- Collaborate, in an Agile development environment, with our team of software engineers and architects throughout the development process.
- Implement code that conforms to performance, security and quality standards.
- Solve and articulate complex problems with application design, development, and user experiences.

Personal motivation and willingness to focus on our project are needed where you will learn a lot and will reap rewards.

There is a lot of scope to dive into an aspect of software and to get an over overview of the team's work. Along the way we will ask you for ad-hoc research in system compatibilities etc. so you need to be able to manage your own time efficiently.

Applicant Specification:

Academic:

- Our developers and engineers come from a range of science backgrounds so your academic learning can be varied as long as you are motivated and interested in web and system development

Minimum requirements

- You will be working towards a Bachelor's or Master's in computer science, mathematics or a related field
- An interest in big data, EO or a related discipline
- Excellent organisational skills
- Willingness to travel to meetings across the UK may be required (all travel costs will be covered).

Desirable requirements

- Some experience in programming and data analysis
- Good communication skills working with a varied team
- Some experience with previously mentioned core software

Minimum Requirements:

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- An interest in big data, EO or a related discipline
- Excellent organisational skills
- Willingness to travel to meetings across the UK may be required (all travel costs will be covered).

Preferred Additional Requirements:

- Some experience in programming and data analysis
- Good communication skills working with a varied team
- Some experience with previously mentioned core software



Further details:

8 weeks minimum fixed term contract to be agreed with successful candidate but nominally with a start date around April 2019, with a completion (at latest by August 2019). Salary is £1,500 per calendar month.

Closing Date for Applications:

5pm on the 14 March 2019

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.