

## Satellite Imagery Data Platform

**Code:** 21/51

**Company:** Open Cosmos

**Location:** Remote / Harwell

### **Company Description:**

Aim high, go beyond! At Open Cosmos we are solving the world's biggest challenges from space, providing businesses, governments and researchers access to more readily available information than ever before - ready for the challenge? Then read on...

### **Project Description:**

Our Data Platform makes raster and vector data browsable and retrievable for visualization and/or further analysis.

For example we would like to detect and show a water leak as a vector layer on top of the reservoir picture. In order to do that we might want to detect vegetation growing which would indicate water presence.

Depending on the needs of our customers we will need to process space imagery (potentially in combination with other datasets) and visualize the results in a presentable way. Activities might involve python scripts to process space imagery, produce vector shapes or other raster images.

### **Applicant Specification:**

Must be finishing the second-to-final year of their studies in a Data Science, Computer Vision and/or GeoSpatial analysis degree

### **Minimum Requirements:**

- Finishing second year in a relevant degree (as detailed above) with a GPA of 2:2 or higher
- Able to communicate effectively, actively listening and responding appropriately
- Able to relay complex information simply to technical and non technical audiences
- Able to manage own time effectively, completing work within appropriate project timescales
- Displays a curious mindset with an innovative approach to work
- Has an eye for detail, delivering work that is polished and of good quality
- Displays critical thinking skills, always looking to develop improve work and own skills
- Works in an inclusive, respectful style

**Preferred Additional Requirements:**

- Demonstrable understanding of GeoSpatial data analysis
- Demonstrable understanding of how agile works in practice
- Demonstrable ability to work independently and within a team

**Further details:**

- 2 month assignment
- Starting 21st June 2021
- £1,400-1,500 per month

**Closing Date for Applications: 5pm Friday 4 June 2021**

Applications should be made through the online form on the Satellite Applications Catapult website before the closing date.

<https://sa.catapult.org.uk/work-with-us/space-placements-industry-spin/>

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. Email applications made to the Satellite Applications Catapult, UK Space Agency, or host organisations will not be processed.