JOB DESCRIPTION
Post-doctoral Research Associate in Machine Learning and Crowdsourcing for Disaster Relief
Vacancy Ref: A2767

<table>
<thead>
<tr>
<th>Job Title: Research Associate in Machine Learning and Crowdsourcing for Disaster Relief</th>
<th>Present Grade: 7</th>
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<tbody>
<tr>
<td>Department/College: Physics</td>
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<td>Directly responsible to: Dr Brooke Simmons</td>
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<td>Supervisory responsibility for:</td>
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**Other contacts**

**Internal:** Members of Dr Simmons’ research group comprising 2 PhD students

**External:** Collaborators from Oxford university within the STFC-funded Zooniverse-ML GCRF Project. A range of outside collaborators from multiple projects.

**Major Duties:**

Under the guidance of Dr Simmons, the post holder will be expected to:-

1. Take responsibility for day to day project management of strands 2 and 3 of the STFC-funded GCRF crowdsourcing project.
2. Develop methods for integrating machine learning into existing data labelling pipeline.
3. Contribute to the interpretation of the results.
4. Assist in real-time implementation of algorithms during project deployments.
5. Draft scientific papers arising from the project.
6. Participate in national and international conferences, presenting the results of the project and learning about current advances in the field.
7. Collaborate with project team members, including external collaborators.