

AI4ER Undergraduate Research Experience Placements 2021

The UKRI Centre for Doctoral Training in the Application of Artificial Intelligence to the study of Environmental Risks ([AI4ER](#)) trains researchers to develop and apply leading edge computational approaches to address critical global environmental challenges by exploiting vast, diverse and often currently untapped environmental data sets. Embedded in the outstanding research environments of the University of Cambridge and the British Antarctic Survey (BAS), the AI4ER CDT addresses problems that are relevant to *building resilience to environmental hazards and managing environmental change*. The primary application areas are: Weather, Climate and Air Quality, Natural Hazards, Natural Resources (food, water & resource security and biodiversity).

The *AI4ER CDT Research Experience Placement (REP)* scheme aims to encourage suitably qualified undergraduate students to consider a career in artificial intelligence applied to environmental risk.

In 2021, bearing in mind the pandemic conditions, the placements are designed for remote working only meaning that students can work off-site (work from home) and thus do not need to commute to the University/research institution.

REP placements will be between 6- 8 weeks and each student on a REP placement will be paid £311.85 per week. (Based on 35 hour week.)

A list of available projects is given [here](#).

Eligibility of students

Students must meet all of the following criteria to be eligible for this placement:

- (i) Be studying for an undergraduate degree (or integrated Masters degree) in one of the following subjects: natural sciences (e.g. physics, chemistry, earth sciences, biology), engineering, computer science, mathematics. (The degree course should continue beyond summer 2021, i.e. students should not currently be in their final year. Priority will be given to students who will complete their course in 2022.)
- (ii) Be expected to obtain a first or upper second class UK honours degree.
- (iii) Be eligible for subsequent UKRI PhD funding and have the right to work in the UK.
- (iv) Meet the particular requirements (academic background/skills) associated with the project or projects of interest.

How to apply

Students should submit their application by email to the CDT administrator (escaicdt@hermes.cam.ac.uk).

- (i) Single sheet giving: (a) Full Name, (b) DOB, (c) email, (d) Home address, (e) Nationality including confirmation of right to work in UK, (f) current academic course and expected graduation date, (g) List of projects for which you wish to apply, in priority order (most preferred first), (h) Name and contact details of referee (we will contact referee but applicants must have informed referee in advance of application).
- (ii) CV (no more than 2 pages).
- (iii) Brief covering letter giving motivation for application – maximum 1 page.

Closing Date: Monday 10 May