

Professional Opportunities for Postgraduates (POP) Placement Advert

Job Placement	
Company name	Sustainability Monitor Ltd
Location	60 Innovation Centre University Road Canterbury CT2 7FG
Length of placement	3 months/ 6 months part-time
Description of business	<p>Sustainability Monitor (SusMon) is a start-up research company providing competitive monitoring services. SusMon analyses the sustainability strategies of global multinationals and is developing ground-breaking research products in the subject area.</p> <p>SusMon's reports will give customers a 360° view of the how companies in their sector address sustainability. Reports combine data, analysis and insight with advanced statistical & text analysis, social media monitoring, data visualisation and – in the future – artificial intelligence.</p>
Project objectives	<p>The objective of the proposed POP would be working towards implementing the recommendations of an EIRA consultancy project. The EIRA work will be carried out in July 2019 by the Reader in Computing/Associate Dean of Sciences at the University of Kent. Implementation can start as soon as possible after we have the recommendations. The study aims to establish an approach and initial recommendations for the implementation of an AI enabled multimedia database.</p> <p>Implementation of the multimedia database: This will be based on the roadmap developed through the EIRA consultancy or through phase 1 of the project.</p> <p>One of SusMon's objectives is to create a report writing factory which should be as automated as possible. SusMon is also seeking a solution for storing and accessing the various digital assets they generate that has the following features:</p> <ol style="list-style-type: none"> 1. Stores multiple data types and their attributes, including but not limited to: <ul style="list-style-type: none"> Audio Video Image

	<p>Documents Presentations Spreadsheets</p> <ol style="list-style-type: none"> 2. Stores very large (several GB) files of the given types, particularly video 3. Accessible (read/write) securely from multiple global locations 4. Extensive search capabilities allowing relevant data to be quickly identified and retrieved 5. Accessible via forms and APIs 6. Requires limited/no investment in hardware 7. Sufficiently flexible/adaptable so as not to preclude future development involving use of AI solutions in SusMon's report production <p>The consultancy phase of this project should establish:</p> <ol style="list-style-type: none"> 1. potential approaches to meet business requirements 2. potential solutions based on possible approaches 3. a roadmap for initial implementation, through the POP project 	
<p>Key accountabilities</p>	<p>Much will depend on the findings of our consultancy project into the Research Assets Database.</p> <p>It is likely to involve the collation of large quantities of data, eg sustainability reports/ financial reports, advertising and social media. The work then becomes more interesting: rolling out the database to users in the US, UK, Argentina and the Philippines. The two subsequent phases are likely to be working to allow the database to build reports 'on the fly' with minimal human intervention and then applying AI/ machine learning to find the best way to mine the data in the asset database to reduce search time/ add value & insight.</p>	
<p>Person specification</p>	<p>Essential</p> <ul style="list-style-type: none"> ➤ Excellent qual/ quant research & analysis skills ➤ Solid statistical experience (eg SPSS or SAS JMP) ➤ Microsoft Office skills (esp. Excel, PowerPoint) ➤ In-depth understanding of at least one other language 	<p>Desirable</p> <ul style="list-style-type: none"> ➤ Knowledge of issues relating to sustainability. ➤ Social media analytics. ➤ Some understanding of computer coding
<p>Other details</p>	<p>3 month full time or 6months part-time (17.5hrs per week). To start end of August/beginning of September. Interview process TBD.</p>	