

Project 18/22 - Orbital Witness SPINintern

Project Description

Orbital Witness is a SpaceTech-meets-LegalTech startup delivering data-driven identification of legal risk in property transactions, by combining historic site analysis on archives of high-resolution satellite imagery with legal data property ownership, rights and restrictions. Orbital Witness is looking for a SPINtern to carry out feasibility assessment on the next generation of features to test with users. We'd like a SPINtern to assess the potential to automatically analyse and query text-based information pulled from the UK Land Registry's API ('Register Extract Service' – XML stream) and cross-reference to relevant portions/features of registered property title plans that the text-based information refers to (plans also extracted from the Land Registry API - mix of raster and vector format). SPINtern may be challenged to write scripts to implement a new feature that can be visualised in the front-end to be tested with users.

Applicant Specification

We are keen to meet with applicants with a range of different skills and experience who might offer different approaches to the challenge. The ideal applicant should be systematic and thorough, enjoy working with large amounts of structured and unstructured data, self-motivated and curious to search for and experiment with a variety of different techniques and open source tools for data analysis, and be interested in understanding the user motivations underlying the feasibility assessment that he or she undertaking.

Minimum Requirements

Programming skills (e.g. Python) and familiarity building databases and using APIs; Candidates must be enthusiastic to develop and learn new programming skills; Good working knowledge of GIS; NO PRIOR KNOWLEDGE OF UK PROPERTY LAW OR LAND REGISTRATION SYSTEM REQUIRED.

Preferred Additional Requirements

Experience or demonstrable interest in Natural Language Processing and Semantic Search methodologies.

Further Details

Orbital Witness has been founded by three employees of the Satellite Applications Catapult in Harwell, Oxfordshire in April 2017. It has a co-space at the Urban Innovation Centre (Geovation) in London (Farringdon). Applicants would therefore be expected to carry out their SPINternship predominantly in Harwell but with the opportunity to work from London with members of the team.

Closing Date

Monday 14 May

Interviews

Week commencing 21 May



More Information

8 weeks fixed term contract to be agreed with successful candidate but nominally with a start date around 18 June which is also the SPIN Induction day at Harwell. Salary is £1,500 per calendar month.

Apply on the website: <https://sa.catapult.org.uk/people/space-placements-industry-spin/>