A Geospatial Data Scientist for environment health is invited to join the Oxford Martin School Informal Cities programme at the University of Oxford. The role is expected to act as a technical lead on all geospatial analysis for the Informal Cities research, in collaboration with other team members and collaborators. You will be involved in geospatial data acquisition, management and curation, applications of advanced geospatial analytical techniques, and provision of accurate and novel geospatial data solutions to a range of current and planned environmental health projects within the team and other related projects of the Informal Cities programme. Among the key result areas expected from you are to develop methodologies, analysis and tools, implement automated workflows, lead and/or contribute to journal publications, grant applications and other report submissions with team members and collaborators. You will be expected to have a background in Geomatics, GIS, Spatial Data Science, Spatial Analytics, or other closely related fields, ideally with application or relevant work experience in healthcare or medical research.

You will work closely with an excellent team of data scientists, epidemiologists, clinical researchers, and administrators. You will also join and closely collaborate with a cohort of Oxford researchers in Medical Sciences (The Oxford Big Data Institute), Anthropology (COMPAS), Mathematics (Mathematical Institute) and Transport (Transport Studies Unit). This post provides an excellent opportunity to experience geospatial data analytics in a research-intensive academic setting, and develop an expertise in managing and processing large-scale, complex and heterogeneous data within a world-class multi-disciplinary team.

You will have a PhD (or near completion), or equivalent professional experience, in Geomatics, Geographic Information Science, Spatial Data Science, Spatial Analytics, or other related quantitative disciplines, as well as a proven record of using commercial and/or open source geospatial tools (such as ArcGIS, QGIS, GeoServer, PostGIS etc) to collect, manage and exploit geospatial data. You will have excellent programming skills using packages such as Python, Java, Javascript, R or similar, with a good knowledge of a variety of geospatial data sources including remote sensing, on a regional, national and global scale, and their associated processing methodologies. Meticulous attention detail, excellent organisation and time-management skills, as well as excellent written and verbal communication skills in English are also essential for this role.

This position is full-time and fixed-term until 31 July 2021 in the first instance. Full job descriptions could be found at the University’s job search website.

Deadline to apply is midday 16 March 2020. For informal enquiries, please contact Dr Yutong Cai, yutong.cai@georgeinstitute.ox.ac.uk