

Role Definition

Job title: Data Scientist (Developer)
Reporting to: Reporting to Manager on a day-to-day basis, and ultimately to the Senior Partner.

Responsibilities

- Develop web and desktop geospatial software solutions for master planning and design
- Maintain and support existing GIS platforms and solutions Optimize existing codebase of in-house geospatial tools
- Identify geo-spatial data sources and critically assess their applicability for urban research, master planning, and design.
- Optimize existing codebase of in-house geospatial tools
- Perform analysis and mapping of data to input into the design process, creating a better understanding of project context, opportunities and impact
- Contribute, or otherwise assist, as required
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams.
- Thorough knowledge of and compliance with Foster + Partners procedures and standards

Qualities and Skills required

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Strong programming skills in one of more of the following languages: Python, C#, JavaScript
- Proficient with SQL and experience with DB query clients
- Proficiency with a suite of geospatial tools.
- Experience with front-end/backend development: HTML, CSS, JavaScript, React, Python, and PostgreSQL
- Experience with network analysis, multivariate statistics, and machine learning algorithms.
- Working knowledge of how to leverage geospatial data Experience creating bespoke interactive maps
- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self motivated and able to take responsibility
- Able to demonstrate initiative and a proactive approach to daily tasks
- Good interpersonal skills and able to work independently and as part of an effective team
- Flexible attitude
- Able to build good relationships at all levels, internally and externally
- Resilient to cope with conflicting demands, able to prioritise duties and work effectively under pressure [while remaining calm and professional at all times]
- Able to work as part of an effective team assisting and supporting team members

Desirable

- Familiarity with ESRI technology (ESRI ArcGIS API for JavaScript, ESRI Leaflet, ArcGIS Runtime SDK for .Net)
- Understanding and experience with data visualisation techniques

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the emphasis of duties as required from time to time. There is a requirement for the post holder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the post holder.