

Melanie Surtees Mason

GIS (Geographic Information Systems) Professional

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Summary

GIS professional with over 8 years experience in progressive roles working in the environmental, urban planning and renewable energy sectors. Maternity/study leave since 2009.

Experience

Associate Director at Terence O'Rourke Ltd

February 2008 - February 2009 (1 year 1 month)

- Project management of the geo-spatial components of renewable energy, waste management, housing, transport and leisure projects throughout the UK to ensure the timely meeting of deadlines within forecasted budgetary constraints.
- Production of high quality hard copy and digital maps for use in environmental statement documents, planning applications, meetings and for in the field use.
- Implementation and service development of dynamic, interactive, 3D terrain mapping software for use in project design as well as public and key stakeholder consultation.
- Strategic GIS development to ensure GIS services met the requirements of the practice and individual clients.
- Client liaison and presentations as well as providing internal seminars for sharing know-how initiatives.
- Marketing and future business development.

GIS Manager at Terence O'Rourke Ltd

December 2005 - February 2008 (2 years 3 months)

- Responsible for the GIS department including daily management, resource allocation, recruitment, in house GIS training and hardware/software trouble shooting.
 - Responsible for data sourcing, acquisition and management for all departmental use.
- Integration of GIS capabilities with other key disciplines (Graphic Design, Landscape Architecture, Environment and Urban Design) to ensure streamlining of workflow, easy access to datasets to minimize duplication of work and improve efficiency.
- Design and implementation of a spatial database and Ordnance Survey data management.

GIS Technician at Terence O'Rourke Ltd

June 2004 - December 2005 (1 year 7 months)

- Compilation of environmental and planning constraint mapping for ongoing waste management, housing market and wind farm projects. (MapInfo Professional 8.5)
- Spatial analysis undertaken for environmental and planning projects and Advanced terrain analysis. (Viewshed, slope and grid analysis)
- Use and manipulation of environmental datasets from wide variety of organisations.

GIS Intern at UNEP-WCMC

May 2003 - June 2004 (1 year 2 months)

- Updating, sourcing and creation of datasets for the World Database for Protected Areas, ensuring a high level of accuracy, quality control and data validation. (MS Access and ArcGIS 8.3).
- Updating and sourcing new environmental spatial data for Oil Spill response ArcIMS application.
- Compilation of Biodiversity maps for private sector clients.
- Synthesis and analysis of data for the compilation of publications and reports.

GIS Technician at London Borough of Richmond upon Thames

March 2003 - May 2003 (3 months)

Temporary contract

- Data capture of the publicly and privately maintained highways and pathways within the Borough (DataMap 2.2).

GIS Technician at Port of London Authority

January 2003 - February 2003 (2 months)

- Temporary contract
- Responsible for compiling environmental data sets for a web based information exchange project. Digitised dredging, borehole sites and fish/shellfish habitats using Ordnance Survey landline data, archived charts and engineering plans. (CadCorp 5.2)

GIS Coordinator at Coral Cay Conservation

August 2002 - December 2002 (5 months)

- Responsible for the GIS component for a 4 month coral reef conservation project.
- Completion of benthic habitat maps using aerial photographs/Landsat 7 imagery and supervised and unsupervised classification. (ArcView 3.2 and ArcGIS 8.1)
- Speaker at an EU sponsored Southern Grenadines biodiversity conference.
- In field data collection using dGPS, mapped the roads, nature trails and village amenities to be used for the creation of a tourist map for the Island of Mayreau (SVG)
- Ortho-rectification of aerial photographs using collected GCP's (PCI Geomatica).
- Adherence to submitted budget and submission of progress and final reports.

Skills & Expertise

GIS

Remote Sensing

MapInfo

Renewable Energy

Cartography

Spatial Analysis

Sustainability

Databases

Honors and Awards

Professional Leadership Award Recipient

Canadian International Development Agency/Canadian Bureau for International Education

June 2002

Successful submission of a detailed proposal resulted in funding to undertake a Coral Reef Mapping project for a marine park in St. Vincent and the Grenadines.

Languages

English

(Native or bilingual proficiency)

French

(Professional working proficiency)

German

(Limited working proficiency)

Education

Centre for Development, Environment and Policy - University of London

Master of Science (MSc), Sustainable Development, 2013 - 2017

Niagara College

Post Graduate Diploma, Geographic Information Science and Cartography, 2001 - 2002

Queen's University

Bachelor of Arts (B.A.), Geography, 1998 - 2001

Glebe Collegiate

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[Contact Melanie on LinkedIn](#)