

# Joseph Michael Lewis

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[josephlewis.github.io](http://josephlewis.github.io)

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## Education

2016 - exp. 2017

**University of Leicester**

**MSc in Geographical Information Science with Industry - Distinction expected**

**Relevant modules:** Introduction to GIS - **75%**, Programming in R - **87%**, Earth Observation and Remote Sensing - **84%**, Spatial Information Science, Geographical Visualisation, Dissertation

2010 – 2013

**University of Plymouth**

**BSc (Hons) 2:1 in Applied Geology**

**Relevant modules:** Georesource Exploration and Production, Geospatial Techniques, Geophysics, Geological Mapping Research Project and Professional Skills

**Independent mapping project:** 30 days of independent geological fieldwork in SE region of France, using field maps, sections and observations to produce a detailed geological map and report. Demonstrated the ability to work independently and effectively organise my work. Achieved a 1st

**Hereford Sixth Form College**

3 A-levels: Geology, Chemistry, Environment Studies

**Ludlow C of E School**

11 GCSEs including Mathematics and English

## Relevant Projects and Experience

### GIS-based supply and demand network analysis

- Network analysis model created to suggest locations for libraries in order to maximise accessibility.
- Interpreted change in distance from demand to library locations through the use of OD cost matrixes.

### Analysis of spatial patterns of vegetation from satellite-derived global maps

- Spatial patterns of vegetation from 2000-2012 in Eastern Mongolia identified using R.
- Interpreted change in vegetation amounts and its linkage to precipitation.

## Technical Skills

IT

- Knowledge of Python and R. Rudimentary knowledge of JavaScript
- ArcGIS, QGIS
- Proficiency in Microsoft Office, including formulas in Excel

## Other Work Experience

May 2015 - Aug 2016

**Millward Brown - Trainee Client Executive**

- Assisted in the collation and analysis of data in order to find relations between groups of interest.
- Corresponded with the client services and other teams to ensure schedules were maintained. Potential problems foreseen and fixed accordingly.
- Presented findings, summaries and recommendations to clients, with a key interest in maximising potential.

Sept 2014 – May 2015

**Millward Brown – Graduate Research Assistant**