

# Daniel John Karran

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Born 24 August 1982 - Full Clean Driving Licence - British Nationality

## EDUCATION

- 2004 – 2005** *Distinction, MSc in Geographic Information Science*  
**University College London, UK**  
Modules included: Spatial Data Acquisition, GIS Analysis, IT & GIS, Algorithms and Structures, Management, Advanced Topics, Spatial Decision Support Systems and Qualitative Research Methods  
Dissertation: Spatial analysis and representation of usage patterns for a web-based service locator system
- 2000 – 2004** *2:i BSc(Hons), Computing and Geography with Industrial Experience*  
**University of Manchester, UK**  
Modules included: Databases, GIS, Spatial Data Analysis, Earth Observation, Project Management, Programming, Software Analysis and Design, Software Engineering and eCommerce  
Final year project: Housing locator website programmed in PHP using a MySQL database
- 1993 – 2000** *Castle Rushen High School, Isle of Man*  
A-Level courses: Computing (B), Geography (C), General Studies (B), Maths Mechanics (E)  
GCSE courses: Information Technology (A), Geography (A), Maths (A), English (B), plus 5 B's and a C

## WORK EXPERIENCE

- Software Engineer M.C. Dean Europe GmbH, Stuttgart, Germany** *October 2005 – present*  
Integrating geographic information tools with Drupal as well as site configuration and technical support.
- Web Developer Jejo Ltd, Suffolk, UK** *January 2003 – October 2005*  
Freelance consultancy and site development plus ad-hoc projects such as search engine analysis/optimisation.
- Web Developer Reuters Ltd, London, UK** *June 2002 – August 2003*  
Redeveloped Graduate Recruitment Website and undertook projects for other departments within the company.
- Web Developer Duke Marketing Ltd, Isle of Man** *Jul – Sep 2001, Dec 2001 – Jan 2002*
- Jr Web Developer PDMS Ltd, Isle of Man** *July – September 2000*

## LANGUAGES

**English:** Mother tongue      **German:** Intermediate      **French:** Basic

## IT EXPERIENCE

- Programming** XHTML, PHP, CGI/Perl, SQL, CSS, XML, JavaScript, VBScript/ASP, Visual Basic  
**Databases** MySQL, Microsoft Access, SQL\*Server, Oracle 9i  
**Web Development** Drupal, Notepad, Macromedia Dreamweaver, Microsoft FrontPage  
**Graphics** JASC Paint Shop Pro, GIMP, Adobe Photoshop  
**Geographical** ESRI ArcGIS, QGIS, uDig, MapInfo, MapPoint, Idrisi  
**Operating Systems** Windows XP, Mac OS X, Linux

## IT PORTFOLIO

- Working with, supporting and developing for the open source Drupal content management system.
- Developed a housing locator website using PHP/MySQL for my final year undergraduate project, including user authentication, search facilities and simple spatial analysis techniques.
- Developed a complex MS Access 'query tracking system' for Human Resources call centre at Reuters.
- Expanded knowledge and experience of ESRI ArcGIS whilst studying and subsequently also open source solutions
- Designed and created numerous websites on a freelance basis including database-driven websites, small corporate websites and graphic designs for other websites.
- Created and updated database driven ASP websites at PDMS, Duke Marketing and Reuters.

## KEY SKILLS

### Communication

- Achieved 1<sup>st</sup> class marks for a number of university reports including final report, an analysis of earth observation platforms, a proposed system for cell mast location and a poster design including map graphics.
- Eye for detail demonstrated while proof reading articles for Reuters Graduate Website and various reports.

### Team Work

- Working as part of an internationally distributed development and operations team, using collaborative tools to share knowledge with others in the team.
- Working in a global project team at Reuters I created and managed an internal website which involved liaising with team members across the company and integrating their information into the website.
- Design of a complex database schema within a small team as part of a price comparison website.

### Problem Solving

- Solving issues that arise within the modular Drupal environment, tapping into community support channels, implementing fixes and relaying support information to end users, other team members and management.
- Understanding client requirements for various websites, proposing solutions and then implementing them.
- Responsible for first level support for outsourced hiring database whilst working at Reuters.

## POSITIONS OF RESPONSIBILITY AND VOLUNTARY WORK

### Webmaster

Photo Society, UCL, London

Oct 2004 – Jun 2005

Joint development of new website to showcase members' photographs and give information about society

### Comms Officer

Students Society, UMIST, Manchester

Sep 2001 – Jun 2002, Sep 2003 – Jun 2004

Creation and management of website and facilitating communication between committee and society members

## INTERESTS

### Photography

I enjoy taking landscape, architectural and abstract photos as well as sharing the results and gathering new ideas.

### Geographic information

Involved in the OpenStreetMap community, helping build open geodata using a GPS and other mapping techniques.

### Website development

From basic HTML through Perl/CGI and PHP I have been creating websites for myself and others since around 1995.