# Dr. DAN WEAVER

**Phone: +60 (0)11 33231592, Email:** danofweaver@gmail.com
**www.DrDanWeaver.com , Born 1976 England UK**

---

*Expertise:* **Spatial & Big Data, Teaching & Training, R&D, Machine & Business Intelligence.**

*Experience:* 15 *years* **Teaching and Training** 10 *years* **Research and Development** 10 *years* **Software and Web Engineering** 15 *years* **Project and People Management** 5 *years* **Sales and Technical Support.**

*Qualifications:* **PhD Spatio-Temporal Computation** (Dec 2013, UniNotts, scholarship). **MSc  Geographical Information Science** (UniNotts, EU scholarship). **MRes Disaster Management** (UniCoventry). **BSc Information Systems and Management** (2.1 UniLeeds).

*Personal:* Native English, Spanish, yoga, cycling, camping, walking, windsurf and SCUBA (divemaster).

*Keywords:* Teaching, Training, Geomatics, GIS, Epidemiology, ArcGIS, ESRI, MapWindow, Google Earth, Visual Basic, VB, VR, Dot Net, Vector/Raster Programming, Neural Network, Remote Sensing, IT, Hazards, Vulnerability, Development, Sustainability, Flood Mapping, CSS, Javascript, PHP, Netbeans, Web Development.

---

## WORK

**Lecturer, School of Computer Science, University of Nottingham Malaysia** *(2014- present)*
- Computer Security lectures and labs.
- Development of Natural Resources of Malaysia MOOC (Massive Open Online Course).

**Research and Teaching Associate, School of Geography, University of Nottingham** *(2006- 2013)*
- GISTSOM project: Neural network GIS system for epidemiology. Teaching GIS 120 student lab.
- DELVE project: Design of Learning Spaces in 3-D Virtual Environments. JISC, Nottingham & Open University. Taught MSc students within VR environment.

**IT Course Leader, Euro Training College, London** *(2003- 2005)*
- Trained students in Business Technology including databases, spreadsheets & Internet skills.
- Managed and maintained multi-site computer training suites.

**Project Manager & Teacher, Alcatel University, Madrid** *(2001-3)*
- Designed and implemented multi-level, multi-media syllabus across two sites (200 students).
- Taught sessions with twenty students following up to five separate activities.
- English as foreign language teacher in Argentina, Austria & Canterbury.

---

**Web Developer, Public Service** *(2008+)* Sites receive 250,000 visitors annually.
- Developed and deployed educational websites as public service and skill development. Sites incorporate social media, javascript, JQuery, HTML, PHP, analytics and other web technologies.
- www.SearchCredible.com: Meta search engine for searching credible resources.
- www.SimileSmiles.com: Simile fun.
- www.DeweyDigger.com: Knowledge exploration using Dewey Decimal system.
- www.JogLab.com: Poetry website featuring acrostic poem, backronym and mnemonic creation.

# EDUCATION

*2010- 2013*    **Ph.D Geographical Information Systems** *(University of Nottingham, scholarship)*
**Thesis:** *Spatio-temporal Computation: Applying Kohonen Networks to Epidemiology.*
Research, software development and teaching of computational geography.

*2005- 2006*    **M.Sc. Geographical Information Science** *(U of Nottingham, EU scholarship)*
**Skill Areas:** Programming; Modelling, Mapping & Visualisation; Spatial Data Analysis; Image Processing; Environmental Remote Sensing; Spatial Modelling; Data Capture, Storage & Management. Neural Networks for Multi- Variate Spatio-Temporal Analysis.

*2003- 2005*    **M.Sc. Disaster Management by Research** *(University of Coventry)*
**Thesis:** *Disaster Management and Development in Honduras: Flooding and  Vulnerability Reduction.* Included one year living and working in Honduras living with rural locals and working alongside various development organisations such as Trocaire, The UN, The Red Cross and ERIC. Numerous disaster and development models and approaches (amongst them SL, Access, PAR, FEMA) relating to flood hazards and vulnerability examined and utilised via workshops & interviews.

*1996-99*    **B.Sc. Information Systems with Management 2.1 (hons)** *(University of Leeds)*
**B.I.T. Annual University prize:** *Student fostering best interaction.*
**Qualifying IS Modules:** Systems Analysis; Information Systems Practice; Database Principles & Practice; Simulation Methods for Management and Industry; Commercial IS Development; Human Aspects of Computer Systems; Office Automation; Professional Development. **Qualifying Management Modules:** Organisational Design; Strategic Management; Human Resource Management; Management Economics; Marketing & International Marketing; Operational Research.

---

# GENERAL INTERESTS

A dependable, diplomatic and gregarious character. I've lived and worked in England, Argentina, Honduras, Bangladesh, New Zealand and Spain. I regularly enjoy cycling, camping, walking, windsurfing and SCUBA diving (Divemaster). I speak native English and good Spanish and love cross-cultural interaction and learning. I contribute to the wider community by volunteering (e.g. outdoor education for physically challenged children, London) and producing public-service educational websites (see DrDanWeaver.com for links).  I'm an expert user of most common software and Internet sites. Sustainable living is a keen interest and I've constructed earth-engineered buildings and benefitted from living on sustainable technology and agriculture projects.

---

# REFERENCES   Any level or sector available. Contact Dan or agent.