

# Dougal Matthews

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I am a hard working highly motivated developer with proven skills in software design and development. I enjoy working as part of a team or working as a development lead. With a wide range of skills in web development I have worked in a number of different projects with small start-ups to traditional well established companies. I am interested in finding a challenging and interesting position where I can develop innovating and successful solutions to demanding problems. I also enjoy a highly active social life, meeting new people and travelling to get to know the world.

## Education

Year	Education Establishment	Qualification	Result
2007-2009	Edinburgh Napier University	MSc Advanced Software Engineering	pass
2005-2007	Edinburgh Napier University	BSc (Hons) Software Technology	2:1

## Noteable Academic Projects

In my 4th year project for University I created an Ajax interface for phpMyAdmin, a highly popular open source database management system written in PHP. This project was very successful and was featured on sites such as Ajaxian.com.

For my Masters dissertation I worked on machine learning and successfully created a learning system that was able to improve its performance at playing Mancala over time. The system has implementations working with MiniMax Search tree, Evolutionary Algorithms, Neural Networks and Ant Colony Optimisation.

## Key Skills

Languages	Database Systems	Technologies/Frameworks
Python (2.5 years)	mySQL (4 years)	Django (Python) (2 years)
JavaScript (4 years)	PostgreSQL (2 years)	Ajax (3 years)
C# (.NET versions -3.5) (1 years)	SQL Server (1 years)	Zend Framework (PHP) (1 year)
Java (1 year)		Etomite (PHP) (1 year)
PHP (3 years)		Facebook Apps (PHP/Python)
XHTML, XML and CSS		

## Conferences and Training

EuroPython 2010 (Birmingham, UK)	EuroDjangoCon 2009 (Prague, CZ)
DjangoCon.eu 2010 (Berlin, DE)	Microsoft Visual Studio Conference 2005 (Edinburgh, UK)
EuroPython 2009 (Birmingham, UK)	

## General IT/Programming

Excellent knowledge of OOP (Object Orientated Programming) design principles and practices. Experience with Multi-Threaded Programs Extensive understanding of Relational Database Management Systems (RDBMS)

## General Skills

Excellent problem solving skills and thinking outside the box Good communication and written skills Adept Group working skills Intuitive analytical and design skills

## Experience

Date	Company	Duties Description
09/2009 - Present	Loopo Ltd	Django and Python development working on Zinc Medical Recruitment, A medical trainee recruitment system used by medical schools and colleges in England and Wales.
11/2009 - 12/2009	Aware Monitoring	Development working on awaremonitoring.com for Viisys Ltd. The work involved Python, Django, RabbitMQ, Celery, jQuery, MySQL and various other related technologies.
02/2009 - 09/2009	Mobilis Performance	Django and Python development of an online self diagnosis physiotherapist website.
01/2009 - 05/2009	Landmarts	Django and Python development for an online property and land website. Including implementations of various unique features in this market area. Featuring many Ajax features using jQuery and Google Maps.
02/2008 - 09/2008	XCalibre Communications	Java and PHP development. Working in the internals of flexiscale and the customer control panel. Development, Maintenance and testing.
08/2007 - 01/2008	1576 Advertising	General web development work. Tasks including; PHP, MySQL, JavaScript, Ajax, Software Architecture.
09/2007 - 09/2007	1576 Advertising, on behalf of Gillespie MacAndrew and Hunters Residential www.hunters - residential.co.uk	Full Design and implementation of PHP and MySQL backend. Google maps property search interface with Ajax link to backend. Testing and Documentation.
06/2007 - 08/2007	Zero Design Ltd.	Training; OO Principles, PHP5 and Ajax/JavaScript
06/2007	Spelvanfortuin <a href="http://www.spelvanfortuin.nl/">http://www.spelvanfortuin.nl/</a>	Website Security audit & report Full evaluation of the PHP and JavaScript
06/2007	Pure Services <a href="http://www.pure-services.co.uk">www.pure-services.co.uk</a>	Website Design & mark-up implementation ASP.NET Programming (C#) Testing and Documentation
02/2007	FoAN : Friends of African Nursing - <a href="http://www.foan.org.uk">www.foan.org.uk</a>	Website Design & mark-up implementation PHP Programming Testing and Documentation
11/2006 - 02/2007	Zero Design, on behalf of Saltire Suzuki - <a href="http://www.saltiresuzuki.com">www.saltiresuzuki.com</a>	Website Programming Design Full Database Design & Implementation Lead Programmer
07/2006 - 09/2006	Universal Studios, Orlando, FL	Ride operations, Greeting Guests General Entertaining and Maintenance

## References and Recommendations

Written and verbal references and recommendations are available on request. A number can also be viewed on my LinkedIn profile. [www.linkedin.com/in/d0ugal](http://www.linkedin.com/in/d0ugal)