Graham Stratton

71 Gwydir Street, Cambridge, England, CB1 2LG - *+44 7837 584540*

graham@cambridgewebdevelopment.co.uk

I am primarily a Python developer with a wide range of interests and skills in both computing systems and business. I enjoy applying my skills to new fields and industries and follow the technology industry closely.

Employment

September 2008 to July 2009, October 2009 to February 2010 - worked at MoCo Media designing and implementing distributed systems, developing Python applications, automating system deployment and monitoring using Puppet and Nagios, developing wireless protocols, building web interfaces, automating system install to semi-embedded devices and analysing shopper behaviour data, amongst other tasks.

August to September 2009 - Zope development and maintenance for Cambridge Assessment.

May to August 2008 - developed a system to model, schedule and assist dispatch of distributed generation into the Australian electricity market, subject to complex running constraints and pricing structures for Energy Response Pty Ltd.

January to April 2008 - worked as a research assistant at Melbourne University writing a distributed Python system for evolutionary building design, controlled from a web interface.

October to November 2007 - developed a Plone-based content management for the Maldivian Education Development Centre system on behalf of Cambridge International Examinations.

February to July 2007 - developed a web interface to a custom CRM database for Homeless Link, London.

August to November 2006 - developed a web interface to an SAP business system on behalf of Andromeda Consulting.

June to July 2006 - develop Zope 3-based content management system for the website of Abbey College, Ramsey.

January 2005 to November 2005 - software development at Envisional Ltd, writing scripts and small applications primarily in Python, including asynchronous network applications based on the Twisted framework, as well as work on the main C++ application.

Summer 2002, 2003 - worked for UCLES developing a web-based peer assessment tool using Zope.

Summer, Christmas 2001, Easter 2002 - worked at Advanced Rendering Technologies. Tasks included writing a part of a compiler for a new processor, implementing and optimising an FFT algorithm on it, testing hash functions and writing software to produce PostScript diagrams.

Education

Advanced Course in Design, Manufacture and Management (ACDMM) at Cambridge University Engineering Department, September 2003 - July 2004

Mathematics (2:1) at Selwyn College, Cambridge, October 2000 - June 2003

Ramsey Abbey School from September 1996 :

A-level Maths (A), Further Maths (A), Physics (A), Design and Technology (specialising in electronic products) (C), Mathematics 2 STEP (S), Mathematics 3 STEP (1)

Skills

Much and varied computing experience. 10 years' experience with many distributions of Linux, including many system administration tasks. Also significant experience with Mac OS X, Windows and RISC OS. Software development in languages including Python, Clojure, C, JavaScript, Ruby, PHP, ARM BASIC and ARM assembler, and familiarity with the SQL variants used by PostgreSQL, SQL Server and MySQL. Good knowledge of tools including git and Subversion revision control systems, the Puppet configuration management tool, testing tools and zc.buildout for creating repeatable Python application environments.

Web development using XHTML and CSS, based on various frameworks including Pylons, Ruby on Rails, Zope and Plone, including Zope 3 and Grok. Some experience with AJAX toolkits. A good understanding of web usability and accessibility.

Other Hobbies

Ballroom dancing - competing on the university team and then on the open circuit, having started dancing when I arrived at Cambridge.

Photography - mainly events, including many dance events and official photography at some friends' weddings.

Walking - I have completed the Coast to Coast walk and the West Highland Way.

Sailing - I recently started sailing both dinghies and yachts.

References available on request