

CURRICULUM VITAE

GREGG WILLIAMS

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Objective: To be part of a driven and leading customer focused team

Education and Qualifications:

2003 – 2007 University of Wales Swansea. MEng Computing with Upper Second Class Honours

Industrial Project – PHP MySQL Content Management System

The final year includes an individual industrial project that counts for 40 of 120 credits. This substantial project is a CMS for a local PVC manufacturer. It has been developed using industry standard mySQL database package and PHP language with CSS styling taking accessibility into consideration. Developed compatible with Linux or Windows based servers.

Part of the requirements for the online presence is a site with a good graphic content, ease of navigation and the use of search engine optimisation. SEO methods used include URL rewriting for unique and easy product URL. Meta information is obtained for each product or generic page. Furthermore, via the staff control panel, the company may establish which keywords users typed to navigate to the site via search engines, as well as keeping a log of the referring page.

End users maintaining the system have no web editing knowledge, products are added and maintained using a form interface with an easy to use Rich Text Editor allowing text styles and colours to be manipulated, and images and tables to be added.

Additionally potential clients may contact the company using an online form which is stored in the database. Staff can then reply to the customer by email through the system without third party email facilities, allowing communication records to be maintained within the system. A mailing list is included allowing users to subscribe to either a main newsletter or to receive notification when a product is updated. This is implemented using PHP Mailer to maintain cross platform hosting options.

Third Year Individual Project – PHP MS Access Conference Management System

A conference management system was developed using PHP scripting language interacting with a MS Access database file. Each event is added to the system using a form based interface taking away the need for web editing skills. Generic information pages may be added per event. Generic pages may also include a downloadable file, an ideal solution to allow a downloadable map to be included for instance. This system is intended to take the time consuming hands on administration away from staff by automating the booking and payment for admission, sponsorship, submitting posters etc. Online payment uses the PayPal online transaction system. The system shows a list of forthcoming events and maintains a log of the number of registered participants, preventing new participants from registering when the event reaches capacity. Administrative staff can contact participants, sponsors etc via email directly from the control panel.

Third Year Group Project – Web Based Document Management System

A web based current version system developed using PHP and mySQL database package. Essentially this exercise allows an administrator to assign users to groups. Each group may then upload one of more XML documents, schema files for validation and style sheets. When a user requests to edit a file, a lock is placed on the file to prevent another user from editing the same file at the same time. An XML file may be validated to ensure it is correctly formatted, or with a given schema file, the XML file may be validated to comply with the schema. Furthermore, a document may be published, allowing public users access to the XML file without having to log into the system. Documents may be published as plain XML files, or a HTML file may be generated by using a given style sheet. Additionally, using a web service, a Portable Document Format (PDF) file may be generated and published.

Modules include:

Industrial Project	Interaction Technologies: Information Retrieval
Mobile Interaction Design	Interaction Technologies: Hardware & Devices
Client Server Programming in Java	Design Patterns and Generic Programming
Product Lifecycle Management: Business Context	Software Laboratory
High Integrity Systems	Cryptography and IT Security
Project Specification and Development	Project Implementation and Dissertation
Building Reliable Web Applications	Object Technology
Computer Graphics I: Image Processing and Synthesis	Database Systems
Operating Systems	Data Communications and Computer Networks
Program Design	From Languages to Hardware
Logic & Foundations of Mathematics	Professional Issues and Software Engineering
Business Models & Computing Methods	Computing for Business and Management (Visual Basics for Applications)

2001 – 2003 Ganolfan Gwenallt, Ysgol Gyfun Ystalyfera

1995 – 2001 Ysgol Gyfun Ystalyfera

1987 – 1995 Ysgol Gynradd Gymraeg Blaendulais

A Level	Computing	B	Mathematics	C
	Physics	C		

AS	Applied Mathematics	A	Physics	B
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GCSE 8 GCSE's at grade C and above including IT, Mathematics, Science, Welsh and English

Other OCR RSA Computer Literacy and Information Technology Stage 1

Other Information:

- Chief Scouts Award. This demonstrates skills in planning, leadership and team working.
- Clean driving licence.

Languages: Welsh & English.

Work Experience:**August 2009 – Present Computer Technician, New Sandfields Aberavon**

Volunteer technician with a community regeneration programme. Interacting with customers. Advising customers both at the store and by telephone. Includes building new PC's, repairs and upgrades on PC's, laptops and netbooks. Call outs to home and business. Experience with Windows 95, 98, ME, 2000, XP, 2003 Server, Vista, 7 and various Linux distributions. Experience on a range of hardware and peripherals. Wireless Broadband setup. Data recovery and backup. Data destruction. Conference room setup including projector, screen and active speakers. Some web development and money handling.

August 2007 – July 2008 Web Developer, VRM Swansea Ltd.

I currently maintain an ecommerce website using a mixture of classic ASP with some C#.net scripting. Most recently, the bulk of my time has been implementing Google Checkout Level Two integration using XML. In addition, a number of upgrades have been made to the checkout to increase security and ease of use. Duties also involve general PC maintenance and repairs for the sales and admin team, as well as some administration of Windows 2003 Server and MS SQL Server 2005 as and when required. Some graphical design and editing has been completed using GIMP and PhotoShop.

August 2004 Online Store Website

Web store integrated with a PayPal shopping cart to W3C standards. Developed for home based start up company with limited knowledge in web technologies a site was set up based on information obtained from an interview. Three example templates were created. The chosen design was then implemented and maintained by myself from a stock database and illustrative graphics provided by the customer. It was submitted to numerous search engines to maximise hits and boost sales.

August 2001 Electronic Data Systems Limited, Oldway Centre, 36 Orchard Street, Swansea

Two working weeks involved developing a web site using Microsoft FrontPage on the staging server and HTML editing in FrontPage and a text editor. New users were added to a Windows Server. Logging comments into the in house Advanced Help Desk (AHD) software tool. Observing the work carried out by the helpdesk. Working with technicians introducing Norton Ghost to backup an image of a hard disk onto another disk to reduce the time involved in workstation reconfiguration.

September 2000 Member of Young Enterprise

Deputy managing director and ICT Manager, commencing September 2000 ending July 2002 of Whateva U Want, a branch of Young Enterprise. Liaising closely with the Managing director; sharing the responsibilities ensuring uninterrupted operations in the event of absence. Held responsibility for the design and implementation of a website and its advertising. It contained company information including a page for each staff member in addition to product information and illustrations. General IT maintenance and user support.

June 2000 Ysgol Gyfun Ystalyfera, Glan yr Afon, Ystalyfera

One working week as a System Technician. This included the installation of both hardware and software, user administration. It involved installation and configuration of operating system, driver installation and software applications. Additionally it included developing the web site using HTML and voluntarily the ongoing maintenance thereafter.

June 1999 Computer Valley 76, Windsor Road, Neath

One working week as a system technician, builder and sales assistant. This included installation of hardware and software, configuration of operating system and drivers. Provided advice and customer support, included general fault finding and resolving. Dealing with customers at the counter and answering the telephone.

Volunteer Experience:

- Volunteer at the Brynbedd Residents Association, mainly running disco's for youth club.
- Midland Bank/HSBC school branch during 1997-2000 as part of a team serving customers paying in as well as handling withdrawals, completing all necessary paperwork and ensuring figures are correct.
- Committee member of group of 35 individuals raising £6,500 for Polish orphanage, through Urdd Gobaith Cymru. Door to door collecting donations for Cancer Research UK 18th and 19th July 2002

Interests and Activities:

- Motorsport. A member of Ecurie-Cymraeg and The Vale of Neath Marshals Club (founding member).
- All aspects of computing including building, upgrading, networking and configuration of both Windows (3.1, 95, 98, 2000, XP, 2003. Including remotely) and Linux operating systems.
- Writing of dynamic web sites with the use of PHP, MySQL, and CSS to W3C standard.

Hobbies:

- Walking, Hiking.
- Music, mixing, DJing.

Referees:

References are available upon request.