

Education

University of Wales Aberystwyth (2005 - present)

Computer Science BSc (Honours)

I am currently in the final year of my degree scheme but hope to graduate with a first in July. My module marks have so far been high ranging from 66% to 89% with the majority being in the 70-80% range. I have taken a wide range of modules including: Database Management, Computer Hardware, Program Design and Mobile, Embedded and Wearable Technology. I have also completed a large scale group project during which I was project leader. We were tasked with delivering an advanced software system on time and to specification.

Godalming College, Surrey (2003 - 2005)

A levels: **Computing (A), Geography (B), Physics (D)**

AS levels: **Mathematics (D)**

Glebelands School, Surrey (1998 - 2003)

GCSEs: **10 subjects, grades A-C including Maths, Science, English and Electronics**

Work Experience

Database Developer

Department of Information Studies, Aberystwyth University (2007-2008 - Year in Industry)

For my industrial year I worked within the university in the Department of Information Studies.

I was primarily a Database Developer but did do a lot of work with the open source VLE

(Virtual Learning Environment) Moodle. Tasks included:

- Administration of department-wide database system using Microsoft SQL server & Access.
- Re-writing of business logic as stored procedures.
- Securing, optimizing and commissioning of new Moodle server.
- Bug fixes in database front-end using Visual Basic for applications.
- Development modification of Moodle modules, including adding an AJAX search function.
- Search engine optimization of the department website.

Developer

Coreware Ltd, Bramley, Surrey (October 2004 - Present)

During my Upper Sixth year I worked for Coreware part-time. I continue to work for them during my university vacations in exchange for their sponsorship. A few of my projects are listed below:

- Installation and maintenance of office networks and phone systems for a number of local companies including the use of Linux file and print servers.
- Commissioning of servers, switches, etc. in the Docklands data centre.
- Development of infrared receiver and transmitter both hardware and software using open source Linux software and writing a custom AJAX web interface to control amplifiers from a web interface. This project was for Crossfire Media.
- Development of mobile templates (WML & XHTML) for Reuters F1 mobile site.
- Video uploading application to produce a YouTube alternative for Coreware's CMS system.

IT Technician

Glebelands School, Cranleigh, Surrey (2006-2007)

During the university summer vacation I worked for Glebelands School in Cranleigh,

- Providing support to academic and non-academic staff with technology based problems, including the use of the network as well as video projects and interactive whiteboards.
- Managing a team of two junior technicians.

- Reconditioning the entire fleet of staff laptops.
- Writing and implementing a piece of software to automate a large amount of the software installation process done on a regular basis by technicians.
- Writing bespoke remote control software to assist the technicians in solving problems on remote machines. This used a combination of VNC, fast push and my own custom written PHP interface.
- I also wrote a software distribution systems for staff laptops to save technicians going round to each machine individually when an update was required. This was written in Visual Basic and used various freeware Windows admin utilities to help accomplish the task.

Module Demonstrator

Department of Computer Science, Aberystwyth University (2006-2007)

I have worked for the University as a Demonstrator. This involves helping first year students with their practical work mainly during the CS10110 "Introduction to Computer Equipment" practical. These practicals mainly involve using the UNIX command line environment in addition to the KDE and CDE X environments. This has helped me back up my knowledge of the UNIX command line.

Additional Skills

- Full, clean UK drivers license
- 16 hour Mountain First Aid certificate
- Climbing instructor (SPA) - Training completed
- BCU level 2 kayak instructor
- BCU white water safety and rescue

Other Interests

Peak Adventure

This is an annual holiday for 8-12 year olds run in conjunction with Scripture Union on which I volunteer. In my the past my role has been as group leader, this involves looking after a group of 6 children for the week. I have also taken on the responsibility of outdoors instructor for kayaking. This involved taking a group of between 6 and 12 children out each day to various venues in the Peak District and teaching them the basics of rock climbing or kayaking.

Outdoor Pursuits

I enjoy being outdoors and participate in a variety of outdoor sports. I am currently a kayaking instructor and training to become a climbing instructor. I also enjoy recreational hill walking and mountaineering. I also enjoy sailing and have a small self built dinghy.

Referees

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