

David Foy

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Education

- Aug 2014-Jan 2015: Postgraduate Diploma in Applied Science (HPC System Design & Development)
- Sept 2012 – Dec 2013: Master of Science (MSc) Computer Science in University College Dublin, Ireland.
Graduating in September 2014 with a 2:1 (3:08GPA).
- 2008-2012: Bachelor of Science Honours Degree (BSc) Business and Accounting in University of Ulster, Magee, Co. Derry, Ireland.

IT Experience from MSc Computer Science

Internet Web Professionals Completed: Sept – Oct 2012

Studied; HTML, PHP, Adobe Dreamweaver, Adobe Fireworks, WAMP server with MySQL, Apache web server. Grade awarded; B+.

C Programming Completed: Nov 2012 – Jan 2013

Developed, a portfolio of C programmes. The portfolio was built using Notepad++ and MinGW C compiler. Grade awarded; B-.

Computer Systems & Networking Completed: Jan – March 2013

This module developed skills such as; Linux Debian with an Apache server and allowing this virtual machine to communicate with other Microsoft virtual machines on a static private network. These were built using virtual machines on VMware and Virtual Box. Grade awarded; B+.

SQL Completed: March – June 2013

Compiled a portfolio of programmes using, both, Oracle SQL and MySQL. The main programming skill developed through this portfolio was PL/SQL. Grade awarded; B+.

C++ Programming Completed: March – June 2013

This module was completed through a series of multiple choice questions and a project to translate the language of a txt file from English to elvish and then elvish back into english. This module was based on object oriented programming. Grade awarded; B+.

Systems Management Completed: June-July 2013

This module gave a vast amount of experience in Windows Server Domain environments; Windows Server 2008 R2 Full and Core servers were built as domain controllers, and then used with, a client windows 7 virtual machine, all on a single private network. This module gave vast experience in domain administration tasks, from initial setup to domain management. Grade awarded; B.

Research Project Completed: July-August 2013

The research project was to build a 'real' Meta Search Engine which aggregates results from 3 API's and displays the results according to the algorithm. This project tied all of the previous modules together. I gained vast experience of the Software Development Process. It is available to view at: <http://csswerver.ucd.ie/~12255080/MetaSearch/>. Grade awarded; C.

Information Security Management Completed: September-December 2013

Explored many risk assessment guidelines such as NIST and OCTAVE risk assessment frameworks and issues. It gave a background and understanding to assessing each asset, risk and threat.

Assessment consisted of a study on cybercrime, a risk assessment of a fictitious Dublin based company, and an exam. Grade awarded; B.

Digital Investigations and the Law Completed: September-December 2013

Discussed many aspects of the law surrounding IT such as, Data Retention, Cybercrime, Data Breaches, Data protection Acts and Law in Ireland, UK, EU and USA. Researched and gained an understanding of each of the aspects challenging IT Law. Assessment involved two assignments on anonymous and pseudonymous internet users, and how the law has responded to large scale data breaches. Grade awarded; B.

Virtualization Completed: September-December 2013

Creation and management of a virtual machine network using VMware ESXI, VMware vSphere vCenter client and VMware vCenter Server. The infrastructure creation, design and implementation, through to administrative tasks were carried out in depth during an assignment which was a user instruction manual. Grade awarded; B.

Skills

Communication Skills: Demonstrated during time spent as E-retailing manager whilst involved in customer relations and when organising and delegating tasks to employees. Attended numerous training days with multiple companies grouped together which was a fantastic confidence booster and helped immensely to develop great verbal communication skills. Monthly I.T. presentations given to senior managers during time as an E-retailing manager of progress reports and budgets as part of the role in Foy and Company.

Teamwork and Leadership Skills: Developed whilst working with employees on E-retailing projects in Foy and Company, for example, during marketing assignments.

Software Tools and Packages Skills: Experience in using development environments such as dev-cpp, eclipse with minGW, Aptana Studio 3, Xamarin Studio, Android Studio, netbeans, MySQL, Oracle SQL, WAMP, PHPmyAdmin, Apache server, Linux and UNIX, Adobe Dreamweaver and Photoshop.

Employment History

Junior HPC Systems Administrator Aug 2014 – Present

General Motors (Opel Ireland)

Member of a team of 13 people. Responsible for administration and management of, Linux SLES Enterprise High Performance Computers. Working on LSF, storage, software and package management. Take care of OS upgrades, OS patch rollout.

E-retailing Manager May 2010 – Sept 2012

Foy & Company, Co. Donegal.

Managed a team of five people whilst coordinating building, and design of a transactional website. Customer relations specialist with regards to all queries made by clients and potential clients alike.

Interests

Enjoy travelling visited Africa, America and parts of Europe. Fitness enthusiast through, cycling, jogging, also, member of UCD gym. A keen musician, having, played drums in several bands.

Referees

Contact details and relevant documentation are available upon request.