

## Personal Profile

I am a confident software engineer trained in the use of a wide variety of programming languages. I am highly skilled at working within a Linux environment after using Linux based operating systems for several years. I am a registered member of the British Computing Society currently holding the level of Professional Member and will shortly be able to apply for Chartered Engineering status. I am highly interested in the development of embedded systems. I am also interested in networking, multi-threaded environments, data processing, multimedia systems and the use of Artificial Neural Networks.

## Education

<p>University of Huddersfield</p> <p>2009-2010</p>	<p>School of Computing and Engineering Masters of Engineering with Distinction (MEng) - Software Engineering</p> <ul style="list-style-type: none"> <li>- Modules <ul style="list-style-type: none"> <li>Advanced Software Development</li> <li>Methods and Modelling</li> <li>Internet Applications Development</li> </ul> </li> <li>- Group Project <p>During the MEng course I undertook a group project to develop a substantial piece of software in conjunction with three other software developers. The product developed was a Teaching Tool for Artificial Neural Networks.</p> </li> <li>- Other Modules <p>During this year I also undertook an advanced techniques module which included techniques such as Binary Reverse Engineering, Memory Analysis, Forensic File System Analysis and Ethical Hacking.</p> </li> </ul>
<p>University of Huddersfield</p> <p>2005-2009</p>	<p>School of Computing and Engineering First Class Bachelors Of Science (BSc) Honours Degree - Software Development</p> <ul style="list-style-type: none"> <li>- Modules <ul style="list-style-type: none"> <li>Artificial Neural Networks</li> <li>Distributed Client and Server Systems</li> <li>Hardware and Networks</li> <li>Modelling and Prototyping</li> <li>Writing Software</li> <li>Integrated Workshop</li> <li>Technical and Learning Skills</li> <li>Large Systems Environments</li> </ul> </li> <li>- Dissertation <p>For my dissertation I created a Prototype Distributed Media system which integrated Clustered Encoding. The principle behind the system was to create a Media System that was automatically capable of connecting to other computers on a local network running the software in order to share media. This was done using a distributed methodology as opposed to a client/server approach which is the standard. The system also automatically handled the connection between computers so no manual configuration was required. The other primary feature was the ability to encode DVD's to a compressed MPEG4 media format using the processors incorporated into all of the machines in the network, this was done in order to reduce encoding times. This process was again done automatically unlike other pieces of software which require user configuration.</p> <p>Overall my Dissertation won the award for Best Individual Project within the School of Computing and Engineering.</p> </li> </ul>
<p>New College, Pontefract</p> <p>2003-2005</p>	<ul style="list-style-type: none"> <li>- UCAS Points 290</li> <li>- A-Levels <ul style="list-style-type: none"> <li>Computing</li> <li>ICT</li> <li>Physics</li> </ul> </li> <li>- AS-Levels <ul style="list-style-type: none"> <li>Chemistry</li> <li>General Studies</li> </ul> </li> </ul>
<p>Featherstone High School</p> <p>1998-2003</p>	<p>8 GSCE's graded A* to C</p> <ul style="list-style-type: none"> <li>Science(Double Award)</li> <li>English Literature</li> <li>Geography</li> <li>Maths</li> <li>Information Technology</li> <li>English Language</li> <li>Design Technology</li> </ul>

## Work Experience

July 2007 to September 2008	Echostar Europe Steeton, Bradford	Software Engineer – Placement Year At Echostar Europe I acted as a Software Engineer developing digital Set-top boxes. My key responsibilities included Software Development, Software Debugging, Bug Fixing and Testing. My primary areas of work revolved around Hard Drive management and diagnostics, Video Playback and USB device management. I also participated in the creation of a Networked Set-top box.
February 2006 to September 2006	Lindleys Print Design and Web, Wakefield	Web Application Developer At Lindleys Print, Design and Web I acted as a Web developer and site IT Manager. My responsibilities included server and network maintenance, database administration and web development using PHP.

## Technical Skills

- <u>Programming Languages</u>	- <u>Operating Systems</u>	- <u>Applications</u>	- <u>Others</u>
Java	Linux	Openoffice	UML
JSP	Windows	Eclipse	XML
C++	Ubuntu	Codeblocks	Subversion
PHP	Solaris	Visual SlickEdit	RMI
(X)HTML	Fedora	Apache	Clearcase
C	Suse	Microsoft Office	CVS
Objective C	Debian		TCP/IP
SQL	Busybox		CORBA
Python			UPnP
VB6			
HASKELL			

- I am a skilled programmer with experience in multiple languages and programming methodologies.
- I am a skilled user of Linux based Operating Systems having used Linux based operating systems for over 7 years. My primary Linux distribution is Ubuntu.
- I have a great deal of experience with Networks, including both the configuration of Networking hardware and the coding of Network applications using methods including CORBA, RMI, Javaspaces and sockets.
- I have experience using Network based File Systems such as NFS and CIFS(SAMBA). I also use and have configured DLNA/UPnP for the streaming of media over networks.
- I am skilled in the encoding of digital media using formats such as MPEG2/4, xvid/divx and theora.
- I have experience with HDD management and configuration using a variety of file system types.

## Personal Skills

- I have very good communication skills in both a written and verbal format.
- I enjoy and work well within a team environment with extensive experience of team projects in both industry and academia.
- I am a highly motivated individual that enjoys a challenge, works efficiently to develop a solution to the highest possible standards.
- I am very good at multi-tasking which is a skill I have developed from working on multiple team based projects both in industry and academia requiring my attention to be divided between multiple tasks.

## Additional Qualifications

- I have a full UK Driving Licence and also gained the Pass Plus Qualification.
- I recently acquired the status of Professional Member of the British Computer Society (BCS) although I have been a Student Member since beginning my undergraduate studies.

## Interests

During my free time I enjoy programming with the aim of learning new technologies. Some of my other interests include the creation of Websites, 3D Design, 2D Design, reading, music, cooking and electronics. I am also a very large supporter of open source software and often do development and testing for open source projects. I am an active member of the Ubuntu Forums aiding people with regard to a variety of issues. I am also a supporter of the British Computer Society.

I am also very interested in distributed computing technologies, clustered processing and the use of multi-threaded environments for the purpose of data processing.

## References

Available on Request