Mobile: *omitted*

Email: bar105@soton.ac.uk

Benjamin Austin Roberts

Personal Information

Nationality: British

Date of Birth: 09/09/1986

Possession of a full UK driving licence

Education

October 2005 – Present (Graduating: June 2010)
University of Southampton, Southampton, Hampshire
Studying: **Computer Science, MEng**

September 2003 - June 2005
Uckfield Community Technology College (UCTC) , Uckfield, East Sussex
A-Levels (3 As), AS-Levels (1 B)

A-Level Mathematics:	A
A-Level Physics:	A
A-Level Computing:	A
AS-Level Further Maths:	B

September 1998 – June 2003
Uckfield Community Technology College, Uckfield, East Sussex
GCSEs (11 passes)

A*:	4 (Including Mathematics and Physics)
A:	5 (Including Chemistry, Economics, English)
B:	2

Computer-related Skills

Sequential and Object Oriented Programming
Proficient with C/C++. Basic experience with Perl. Able to read and write many other languages, including Java.

Web Development
Proficient at creating standards-compliant, cross-browser (X)HTML documents, with CSS styling, and dynamic JavaScript behaviour.
Lots of experience with creating both simple and complex dynamic systems using PHP. Emphasis on writing secure code.

Database Integration
Experienced with SQL (MySQL variant), including database normalisation and integration with PHP's native MySQL APIs.

Development Tools
Experience with Microsoft Visual Studio (from VC6 to 2008), Dev-C++, Eclipse-SDK and more traditional UNIX build environments (Vim, gcc/g++, make)

Libraries and Environments
Experience with Qt framework for cross platform application development in C++.

System Administration
I can install Operating Systems and application software on Windows, Linux (Gentoo and Ubuntu distributions) and Mac OS X.
Experience configuring network services, such as Name servers, DHCP servers, HTTP/FTP servers, MySQL. Familiarity with iptables configuration.
Brief experience with Active Directory, Group Policy and domain administration on Windows based systems and integration with Linux systems via LDAP.

Work experience

June 2008 – Present. Netcraft, Bath.

Industrial Year
To be a variety of tasks including web application security testing, Perl utility development and technical documentation.

June 2007 – September 2007, NXP Semiconductors, Southampton

Student Internship

Maintained and extended an existing internal web application using PHP and Perl. Installed and configured a streaming video on demand server on Red Hat, with an embedded Linux client running on a Set Top Box.

September 2006 – Present. ECS, University of Southampton

Helpdesk Assistant

Worked in the University's Computer Science Helpdesk, performing day-to-day tasks to help the System Administrators. This included repairing and reinstalling the operating systems on lab PCs.

August 2003 – September 2005   Tesco, plc, Uckfield, East Sussex

Customer Sales Assistant

Worked as both a cashier and on the shop floor at weekends for two years, stopping only to leave for University. This work involved good communication with customers and I was under pressure to work quickly and effectively. I was presented with a number of "Values" awards for excellent customer service.

Extracurricular activities

Three day IT course at the P.E.T.A Academy in Eastbourne, Sussex, covering a range of subjects, including: building computers, constructing network cables, an introduction to software programming and an introduction to web design. (Spring 2002)

Awards received

UK Intermediate Mathematical Challenge (1998 Gold, 2004 Bronze)

Diamond Shield for Academic Excellence awarded on graduation from primary school

Interests and activities

I enjoy developing many small systems for both personal and educational use, including: Content Management Systems for personal websites and a web-based remote control interface for Winamp (via PHP and written in C/C++).

I also produced some free-to-use software for use with the MSN Messenger client, using an intermediary API, which was downloaded around one million times.

At University I am part of a group named 'CSLib' (Computer Science Library), which maintains a centralised software repository for other students in the department. This involves installing and maintaining software, often compiled from source. It also involves managing a Windows 2003 Terminal Server for remote use by other students.

My third year individual project has been to design and implement a cross platform document sharing system which features zero configuration peer discovery, and password-less, decentralised authentication whilst maintaining privacy and security.

References

Omitted from this document for privacy reasons. Please contact me for reference information.