

Scott is 24 and is currently finishing his Masters Degree at The University of Surrey. Over the past few years he has developed an array of dynamic websites for professional and personal use. A competent programmer who understands many web technologies, including PHP, MySQL, & AJAX, and how they can be applied to business. An exceptional team member, that is passionate in both the employment environment, and other areas of responsibility. He is also interested in electronics and how they can be integrated with software, as well as interests in film and video production.

Education

University of Surrey, Guildford

MEng Information Systems Engineering with Year In Industry
2000 – Present

Multidisciplinary Design Project: UK Air Taxi

Worked in a team with engineers of differing fields, to produce a detailed design for a suitable aircraft and the associated business model. Project was presented to a large group of individuals from industry.

Final Year Project: LED Data Wand and Control Application

Small hand-held device, that once waved, appears to write messages in the air due to the persistence of vision. A hardware design with firmware for a PIC micro controller, and Windows GUI software to control the device via USB. Firmware is interrupt driven to ensure precise timing for state machine. All written in C and assembly language.

Bachelors modules include:

Introduction to C Programming, Computer Architecture, Data Structures, Software Design, Computer & Data Networks, Programming Fundamentals, Object Oriented Design & C++, Product Engineering & Management, Safety & Security in Distributed Systems.

Masters modules include:

Web Technologies, CGI, Image and Video Compression, Business Management, Data and Internet Networking, Satellite Remote Sensing, Mobile Operating Systems.

Bournemouth School & Winton School

1993 – 2000

A-Levels: Electronics (A), Computing (A), Physics (C), Maths (E)

GCSEs including: Electronics (A*), IT (A*), Maths (A), Statistics (A), Science (AA)

Employment

Surrey Satellite Technology Ltd - Junior GPS Engineer

Aug 2004 - Sep 2005 (full and part time)

- Embedded systems – Porting of GPS application to new platform (using C, C++ and ARM Assembly languages, use of logic analyser for debugging).
- Contributed to ESA Galileo Project, undertook a feasibility project to ensure on-board computer could handle navigation data bandwidth.
- Mentored new placement student, familiarising them with product software and firmware applications and processes.
- Part of the GPS team, and worked alongside other associated departments and individuals.

Surrey Satellite Technology Ltd - Placement Student

Aug 2003 – Aug 2004 (full time)

- Embedded systems – created essential Boot Loader for new GPS Receiver (using C, C++ and ARM Assembly languages).
- Reverse engineering of commercial off the shelf GPS receiver to understand how it could be modified for space use.
- Environmental testing of devices in thermal chambers, vacuum chambers and clean rooms.
- Developed, tested and deployed fully automated test software (written in C with Windows GUI) integrating power supply, temperature / humidity sensors, thermal chamber and GPS receiver under test.
- Represented the team and company at external testing facilities.

Freelance video cameraman / editor (part time)

- Filming, editing and DVD mastering of client events.
- Experience with Pro-DV equipment and non-linear editing software Adobe Premiere.

Dialog Communications Ltd (no longer trading) - Network and Web Administrator
Jul 1998 – Jan 2004 (part time)

- Designed and created a portfolio of secure e-commerce websites using PHP and MySQL for company use including back-end applications dealing with order processing and stock control.
- Maintained Exchange email / network server and Windows client computers on three sites using ISDN routers.
- Sales consultant both in-store and over the phone.
- Websites: www.orange-phones.co.uk, www.teleone.co.uk and www.phoneone.co.uk available on web.archive.org

GPT Ltd – Work Experience – July 1997

- Working with a team to produce telephone services.
- Experience with UNIX computers.
- Understanding the structure of a large business .

Skills

Programming	PHP, MySQL, HTML, XML, CSS, C, C++, JavaScript, JSP, AJAX, ASP, SQL, Basic Java, Mobile Java, Visual Eiffel, ARM Assembly, PIC Assembly, OpenGL, Simple Perl scripting.
Computing	Excellent knowledge of several operating systems which include Windows XP, Mac OS X, Windows NT Server, UNIX, Fedora Linux and various other Linux distributions. Proficient with Open & Microsoft Office, Adobe Photoshop & Premiere.
Networking	TCP/IP networking, basic firewall configuration, understand DNS records, Apache configuration, Samba server.
Internet	Windows Media Server & Encoder, Shoutcast Server.

Responsibility and Interests

GU2 Radio Technical Manager 2003-2006

- Designed and built website (www.gu2.co.uk), including entire back-end system and database.
- Analysed web streaming logs using modified open-source AWStats package.
- Wrote applications to drive dynamic content on website and FM RDS display.
- Setup and maintained network including Wireless Bridge and Routers.
- Research, procure, install, and trained presenters with new equipment.
- Maintained studios and AM/FM/Internet broadcast equipment.
- In depth knowledge of industry standard RCS Selector and Linker scheduling databases.
- Recorded and mixed live bands for broadcast, under tight time constraints.
- Awarded 'Best Committee Member' and 'Union Media Award' in 2005

Head of Video for Annual Science Fiction Convention

- Organised team of volunteer camera operators
- Vision mix and directed using talk-back system
- Produced DVDs are sold with profits going to charity
- Experience with broadcast quality TV equipment and PPU

Committee member of Oscar Film Unit

- Production of short films and animation (Adobe Premiere)
- Filmed and produced streaming video (Real Video)
- 8mm and 16mm film projectionist

Member of USSU Stage Crew

- Produced live video using professional equipment for nightclub events
- Operated stage lighting at annual Guildford Festival
- Help in stage rigging etc

Part of Union Web Team (www.ussu.co.uk)

- Maintained website and online databases
- Developed many new elements for the site that students could use everyday

Other things I do

- Mountain biking
- Member of Mountaineering Club
- Designed website for local restaurant & bar (www.f55.co.uk) that has been widely publicised.
- Enjoy photography

Young Enterprise Scheme 1997-1998

- Director of small company
- Designed one of our top selling products
- Worked in a design team

Personal Details

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Date of Birth	4 th October 1981
Nationality	British
Availability	End of May 2006 (after final exams)
References	available upon request