

# CURRICULUM VITAE

**Daniel Luke Soper**

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## PERSONAL INFORMATION

Nationality:	British	Place of Birth:	Pontypridd
Date of Birth:	20 October 1974	Marital Status:	Single

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## EDUCATION

<b>University of Bath</b>	<i>Claverton Down, Bath</i>	1998-1999
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One year of further study in Underwater Acoustics.

<b>University of Reading</b>	<i>Reading, Berkshire</i>	1997-1998
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M.Sc.: Applied and Modern Optics

<b>Royal Holloway, University of London</b>	<i>Egham, Surrey</i>	1993-1996
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B.Sc., 2(i): Physics with Astrophysics

<b>Pembrokeshire College</b>	<i>Merlin's Bridge, Haverfordwest</i>	1991-1993
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3 A-levels: Mathematics (A), Physics (A), Chemistry (C)

<b>Sir Thomas Picton School</b>	<i>Queensway, Haverfordwest</i>	1986-1991
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9 GCSE passes at grade C and above.

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## WORK EXPERIENCE

<b>Undergraduate Lab. Demonstrator</b>	<i>Dept. of Physics, University of Bath</i>	1998-1999
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- Responsibilities included assisting undergraduates in their 2<sup>nd</sup> year analogue electronics lab work.

<b>M.Sc. Project</b>	<i>BAe Sowerby Research Centre, Filton</i>	1998
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- A four month research project into certain effects that had been observed in metal panels which had been made porous by laser drilling of many small (50 micron) holes. The specific effects of concern were: bending of the samples during drilling; and an unexpected failure of drilled holes to completely penetrate the metal when a holographic beamsplitter was used to drill several holes with a single firing of the laser.
- Experience was gained in the use of a pulsed Spectron Nd:YAG laser, of computer-controlled translation stages and other control and measurement hardware. Some experience was also gained in the use of a commercial optical design programme, Genii-plus.

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## TRAINING COURSES

- January to April 2003: placement at ICT Marketing Ltd, where I gained some experience with Dreamweaver before moving on to help with the Linguasphere project, which aims to catalogue all of the world's languages with a view to the ISO standard for language classification.

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## INTERESTS AND ACTIVITIES

- **I.T.:** I have experience of using computers, including the use of word processors and spreadsheets, principally Microsoft's Word and Excel. I have experience of programming in BASIC, and a little experience of FORTRAN and PASCAL. I also have some competence with HTML. I built my current PC, ordering the component parts separately. In doing this I learned about the assembly of PC hardware, and how to install the operating system and other software. I now have experience of installing every Microsoft operating system from MS-DOS 6.22 to Windows 98 SE, inclusive. I am currently learning to use Linux, and I continue to learn more about programming for MS-Windows.

Projects have included:

- A small Windows application to help with the creation of Web-based image galleries. This application takes a list of image filenames and generates a "thumbnail" copy of each, all of the thumbnails being conveniently placed in one larger image. It also produces the corresponding HTML code that the user can transfer into their web page such that each thumbnail is hyperlinked to the full-size version of the image. The completed application is available on the Web.
  - A utility for programmers to convert their Basic source code to HTML, complete with syntax highlighting.
  - I contributed to the website for RushCon ([www.rushcon.org](http://www.rushcon.org)), including responsibility for all of the CGI used in the registration and merchandise pages.
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- **Cycling:** I am a founder member of a local Pembrokeshire cycling club, which meets every fortnight, and I have ridden sponsored cycle rides, in aid of the British Heart Foundation, since 1994. I am responsible for a website for the cycling club, which I have maintained since 1999.
  - **Astronomy:** I have maintained an interest in amateur astronomy since I was at school, and I am a member of the SPA, a national society for amateur astronomers. It is from astronomy that I developed interests in optics and photography.