

Curriculum Vitae

February 25, 2007

first name Christopher	surname Godsalve
Date of Birth 6th August 1959	
Nationality British	Marital Status Married
Home Address 42 Swainstone Road Reading RG2 ODX	
Tel. No	(0118) 9864 389

1 Education

1970-1975 Hugh Farringdon (Reading) secondary modern
Oct 1981 - June 1983 Reading Technical College (Evening Classes)
A-Level Mathematics (C) A Level Physics (B)
Oct 1983 - June 1986 Heriot Watt University
Bsc Physics (Upper Second)
Oct 1986 - June 1989 Heriot Watt University
Ph.D. by research in Physics

2 Introduction

When I was doing labouring jobs in 1981 I decided to enrol at evening classes to do A level mathematics and physics. This was out of pure interest, however it led me to go to university where I did a PhD by research. A few details are outlined below, including the general skills I learnt on the way. This led to a research career of some 13 years. During this period I married, had a daughter, and moved to Reading.

Ten years ago, I started suffering from severe IBD, and gradually my research began to suffer. As a result, I have not worked since 2002. However, over the last couple of years my consultant has finally managed to find a medication regime that works, and I wish to return to work. However, with the way that academic research is funded, it is impossible to return to academic research, and so I need a new career.

Oddly enough, I still recall someone asking me, what can you possibly do with A-Level physics, and though I hadn't thought about it, being an optician immediately sprung to mind. I was reminded of this when I came across your advertisement in the "Chronicle Extra". Although I would appear to be very over-qualified I am certainly interested in the position of Assistant Dispensing Optician.

3 Employment

1975-1983 I started an apprenticeship in engineering, however the environment gave me severe eczema and I had to leave. After this I carried out diverse unskilled and semi skilled work.

Oct 1989 - March 1991 Computer Programmer

Department of Mathematics, Heriot Watt University

March 1991 - May 1992 Research Assistant

Department of Physics, Heriot Watt University

Research Fellow RA(1B/1A)

NUTIS/ESSC (University of Reading), April 1992 - October 2002

4 Research Experience

My Ph.D. research was related to Heriot-Watt university's optical computing project in which nonlinear devices switched laser beams. My research was theoretical and consisted of mathematical modelling and numerical computer programming in FORTRAN 77. My most enjoyable times involved collaboration with with different experimental groups. These were the Indium Antimonide group, the Zinc Selenide Group, the Liquid Crystal Group, and the Holographic group.

During the last stages of the Ph.D. I was working in the Statistical Mechanics Group of the Mathematics Department. My work here was writing computer code to simulate spin exchange dynamics on lattices. I returned to the physics department to work on numerical solutions of Maxwell's equations coupled to nonlinear diffusion equations in three dimensions.

I came to Reading in 1992 to research into remote sensing. My main research areas over this period were remote sensing instruments, satellite orbit mechanics, atmospheric scattering, surface reflectance and spectroscopy. During this period I enjoyed a collaboration with Imperial College, and I had 3 Ph.D. students. Another smaller collaboration was with the University of Venice on the remote sensing of the Venice lagoon.

Unfortunately, From 1997 to 2002, I was becoming increasingly ill with IBD, and left ESSC in Sept 2002.

5 Computing Experience

My computing experience is mainly in FORTRAN 77, C and C++. but I have been learning about Java, Perl, PHP, HTML, and CGI. My main experience is in scientific computing, and my main word processor has been LaTeX, which is a standard for publishing in scientific journals. Unfortunately this has left me with virtually no experience of commercial computing, such as the standard Microsoft Word and Excel. However, I do not see my learning more commercial applications as any kind of problem.

6 Presentation Skills

From my Ph.D. work onwards, I have published in the peer reviewed literature, and made poster and oral presentations at conferences. I have also given regular seminars at both Heriot-Watt University and ESSC. This included all doing my own graphical and typographical work. I have also made contributions to grant proposals and annual reports. At ESSC, I often made presentations to visiting guests from industry, NERC, and the House of Lords Science and Technology committee. As a visitor, I represented ESSC at Matra-Marconi, Imperial College, UCL, RAL, the Meteorological Research Flight, and the British Antarctic Survey.

7 References

I shall be quite happy to supply references when required.