

Profile

I first learned to program as a child of the 1980s, on the ZX81 and BBC Micro, and have never stopped. I've programmed in Fortran, Visual Basic, Java, TSQL, PL/SQL, C#, Ruby and Python. I've created database APIs in SQL Server and Oracle, web applications with Ruby on Rails, Django and AngularJS, GUI applications with .NET and a host of other interfaces and apps.

I'm not an academic, but I've worked with Universities for many years. In my early career with ICI, I was the technical manager for several EC funded collaborative research projects (e.g. STOPHAZ with Loughborough University). My most recent consultancy assignment has been to assist Glasgow University in their project to improve their research management systems and processes.

In my spare time, I'm a core team member of the Axelrod-Python project (<https://github.com/Axelrod-Python/Axelrod>), an open source game theory research project. I'm a co-author of a paper describing the project which is currently in preparation and will be submitted for publication shortly.

(<https://github.com/Axelrod-Python/An-open-reproducible-framework-for-the-study-of-the-iterated-prisoners-dilemma/raw/jors/tex/paper.pdf>)

Employment History

- 2001 – Current **Owner and Director**, Empiria Ltd
In March 2001, along with two colleagues, I left Eutech to form my own consulting company, Empiria Ltd.
- 1998 – 2001 **Business System Manager**, Eutech Ltd
In 1998, ICI decided to sell Eutech and I became the lead engineer on a project to implement an integrated financials, logistics, project accounting and HR system. I then became the manager of that system and led its maintenance, development and support.
- 1994 – 1998 **Technology Project Manager**, Eutech Ltd
Eutech was a wholly owned subsidiary of ICI PLC which provided engineering consultancy services to the process industries. I joined at its inception in a role providing technical leadership of collaborative R&D projects between ICI PLC and other EU organisations. I particularly specialised in the innovative design and use of relational databases.
- 1990 – 1994 **Project Engineer**, ICI PLC
I joined ICI as a graduate engineer and worked on a variety of engineering projects for ICI businesses in the UK.

Education and Qualifications

- 1995 **CEng MIET** Chartered Engineer, Member of the Institution of Engineering Technology (www.theiet.org (Formerly the Institution of Electrical Engineering))
- 1990 **BEng (Hons)** Engineering Science and Technology (University of Loughborough)

Interests and Hobbies

I am a voluntary senior manager for the UK Scout Association (District Commissioner for the Mersey Weaver Scout District: www.merseyweaverscouts.org.uk).

The role involves overall responsibility for the delivery of Scouting to the District's 1250 young people and line management of its 250 adult volunteers.