

E. Kaye Tidey

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Graduate (MPhys 2005, MSc 2006)

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Education

- 2008 – present **The Open University**
The Open University in the South, Foxcombe Hall, Boars Hill, Oxford, OX1 5HR
Currently studying: AA315 The nineteenth-century novel
Completed modules: Y160 Making sense of the arts; AA100 The arts past and present (Distinction); A210 Approaching literature (Distinction)
- 2005 - 2006 **Imperial College, London** - MSc Computing
Department of Computing, Huxley Building, 180 Queens Gate, London SW7 2BZ
Result: Distinction. Courses included:
- Object-oriented programming
 - Logic
 - Computer architecture and operating systems
 - Networks and distributed systems
 - Artificial intelligence
 - Databases and SQL
 - Graphics
 - Multimedia
- **Team programming project:** responsibilities included design of a user interface for an application to identify individuals by their iris patterns
- **Individual project:** implementation of techniques to decipher messages encoded with the “Enigma” machine, using Java and C++.
- 2001 - 2005 **Merton College, Oxford** - Physics (4 Year)
Merton College, Merton Street, Oxford OX1 4JD
Result: 2:1. Optional courses studied were condensed matter physics and lasers and quantum information processing.
- 1994 - 2001 **Haberdashers’ Aske’s School For Girls, Elstree**
Aldenham Road, Elstree, Herts. WD6 3BT
A-levels (2001): A in Maths, Further Maths, Physics, Chemistry
GCSEs (1999): A* in Maths, Physics, Chemistry, Biology, English Language, English Literature, French, Latin, Music, A in Geography

Transcripts / details of marks available on request.

Technical Skills

- Application development in **C**, **C++** and **C#** using **Microsoft Visual Studio**
- Familiar with **Microsoft Windows & Office**, including Word, Outlook, Powerpoint, Excel, Access
- **Sharepoint** site design and maintenance using **Microsoft Sharepoint Designer**
- Version control using **Subversion**, **CVS**, **Microsoft SourceSafe** and **ClearCase**
- Issue tracking using **Mantis**
- Automatic documentation using **Doxygen**
- Website design using **HTML**, **CSS**, **Javascript** and database-driven sites using **PHP** and **MySQL**

Employment & Work Experience

- 2007-present **Roke Manor Research (Engineer)**
Work on a variety of research and product-level projects, mainly in the image processing area. Responsibilities include:
- Developing experimental software to process images and video and display the results to a user – including production of demonstration videos
 - Project documentation, report writing and presentation of results to customers
 - Project management for a small research project, including planning and progress reporting, customer interaction and following company processes
 - Problem investigation and bug-fixing on a product communications subsystem
 - Carrying out module, system and final production testing on products, documenting results and suggesting changes
- 2006-2007 **Acturis (Software Developer)**
Worked with the Insurer Integration team on projects to implement real time insurance quoting and integrate this with the Acturis system. This included use of Javascript, XML, XSLT, webMethods and SQL. Responsibilities included programming fast and robust solutions from specifications and support of existing software.
- 2005-2006 **SafeHands for Mothers (Voluntary work)**
Responsibilities included redesigning this charity's database of contacts and events, creating a website, computing support and researching ways in which IT can be used to benefit the charity.
- Summer 2004 **Oxford University Engineering Department (Vacation work)**
Project work included producing and experimenting on liquid crystal cells, comparing results with computer models, automating the experiment using LabVIEW and writing a final report.
- Summer 2003 **Sharp Laboratories of Europe (Vacation work)**
Project to model and test a new design for a system to efficiently polarise light: work included comparing measurements with theoretical predictions using ray optics, writing and presenting a report on the work, and helping to write a patent application.
- Summer 2002 and 2001 **QinetiQ (Vacation work)**
Summer work in the Space Department included researching and writing reports and updating the department's internal website and database of missions.

Interests

- I am a keen reader and enjoy theatre and film. To pursue this interest I am currently studying towards a degree in **Literature** with the Open University.
- While working at Roke Manor Research I became involved in their **outreach programme** to promote careers in science and engineering to school and university students. This has included giving talks and running workshops. I am a member of Roke's Sports and Social Club and have assisted with the club's annual fireworks display.
- I also enjoy walking, visiting galleries and museums and travelling abroad.

Referee details available on request