

Matthew Carey – BA Hons, MA, MSc
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Current Position

Senior Software Engineer, System Simulation Ltd. (since 2001)

Matthew Carey is a software developer at System Simulation. A prize winning postgraduate from Imperial College who has co-authored several papers on Information Visualisation, he has worked on several projects since joining System Simulation in a variety of computer languages. He works very closely with Michael Selway and has undertaken much of the software engineering for JISC projects, including the Pixus Image Portal, the Visualiser components of the Connect Portal project and SSL's input into the TRICS and V-MAP projects. He is also specialised in developing interfaces for information delivery products such as SOAP, OAI, Dublin Core and Z39.50, and in tools for harvesting remote databases.

Main Experience

- Programming Libraries in C
- Interfacing with other companies code using Java and Perl
- Developing Web based products using Index+ Web Gateway
- Developing Windows applications with Wix and IPI
- Pioneering using XML and XSLT to roll data into Index+
- Developing an interface for Index+ and C# and C# Web Services
- Developing an OAI repository interface for Index+.
- Developing a z39.50 bridge/broker channel for index+
- Building the Index+ search forms in the Object Store facility
- Developing a PHP interface for Index+ as part of OpenDrama project

Previous Experience

- 1999 Devised and taught an Adult Education course in C++. I
- 1984 – 1999 Practising artist and part time lecturer in Art.

Major Projects

- 02/2004 – 01/2008 PrestoSpace Developed the Preservation Project Cost Calculator and the Storage Analysis Tool using PHP and Javascript
- 06/2004 – 10/2004 JISC Embedding Developed the WSRP (Web Services for Remote Portlets) portlet for the UK Learning and Teaching Portal in Java. This enables linking to remote content and application logic within the LTP.
- Index+ Visualiser Developed the Thesaurus Visualiser enabling graphic representation of the relationships between terms in a hierarchical thesaurus. This application is a Java applet that communicates with the underlying Index+ database via XML.

Education

- 1999 – 2000 MSc - Computing Science, Imperial College - Phillips Electronics Group Project Prize, Individual Project Prize.
- 1998 – 1999 BSc (Year 1) Computing & Information Systems, Goldsmiths College .
- 1980 – 1983 MA (RCA) Painting, Royal College of Art - Burston Purchase Prize & Penguin Book Prize.
- 1975 – 1979 BAHons 1st Class Fine Art, St Martins School of Art

Publications

- Carey M., Heesch D.C., Ruger S. M. (2003) Info Navigator: A Visualization Interface for Document Searching and Browsing (R). *DMS 24/09/2003*

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- Carey M., Kriwaczek F., Ruger S. M. (2000) A Visualization Interface for Document Searching and Browsing. *Proc. Of NPIVM*
- Au P., Carey M., Sewraz S., Guo Y., Ruger S. M. (2000) New Paradigms in Information Visualization. *Proc. of the 23rd International ACM SIGIR Conference*