
Jon A. Pastor
1408 Greywall Lane
Wynnewood, PA 19096
(610) 896-8327
jon@intelligent-design.net

Professional Experience

Global InfoTek, Incorporated (GITI) , October 2002 – Present

- As part of kickoff team, established direction for GITI's Genoa II effort, researched and identified Policy Management and Ontology Development tools. Researched a variety of topics for pending proposal efforts, including Privacy, Self-Repairing Systems, and Amorphous Systems. Authored several White Papers and proposals on Insider Threat for submission to ARDA, ONR, AFRL, and other agencies, and contributed to and managed others.

American Business Financial Services (ABFS), April 2001 – August 2002

- Responsible for maintenance and enhancement of deal-structuring expert system at core of ABFS's consumer mortgage loan business (Art*Enterprise, C++, and Oracle, on PCs and Sun servers, under Windows and Solaris).

VerticalNet, Inc., December 1999 – January 2001

- Senior Ontologist in VerticalNet's development of ontologies to support business-to-business e-commerce. In addition to direct development of ontologies, responsibilities included training and mentoring of junior staff, and creation of tools to support ontology development (XML and Common Lisp).

Brightware, Inc., January 1999 – December 1999

- Designed, implemented, and supported large-scale knowledge-based expert systems for Bell Atlantic and Advanta Mortgage. Both systems were in daily use by telephone representatives for their respective companies, which relied on these systems to provide timely and accurate service to customers (Art*Enterprise, C++, and Oracle, on PCs and Sun servers, under Windows and Solaris).

Lockheed Martin (Career Highlights)

DARPA Consortium for ADvanced Education & Training Technologies (CADETT)

- Designed and developed WWW-based tools to support Work-Based Learning and School-to-Career programs for Montgomery County Intermediate Unit and Philadelphia School District, using a variety of development tools including Microsoft FrontPage, Bluestone SapphireWeb, and Microsoft ASP scripting under Microsoft Internet Information Server (IIS), Windows NT and 95.

Advanced Logistics Project, DELTA tasks

- Designed and developed components of WWW-based system to support maintenance of long-term vendor contracts and orders placement for Defense Logistics Agency (DLA), using MS Visual InterDev to integrate database access via server-side (ASP) scripting under Microsoft Internet Information Server (IIS), Windows NT and 95.

DARPA Computer Aided Education and Training Initiative (CAETI)

- Designed and implemented core infrastructure for an Intelligent Resource Agent Architecture by extending previous DB middleware system (see below), as well as core functional modules, for WWW-based K-12 education (Common Lisp, Loom, and C++ under Windows and SunOS).
- Led design and implementation of both conceptual and functional architecture for this system (HTML, JavaScript, Perl, Common Lisp, Java, and C++ under Netscape Enterprise Server, Windows and SunOS).
- Re-designed and re-implemented earlier object/relational database interface in Java, was lead implementor, and led a team of three other developers. (Java, C)

DARPA/Rome Lab Planning Initiative (DARPI)

- Designed, implemented, and supported a middleware system that provided transparent, efficient, object-oriented access to multiple relational database from Knowledge Base Systems. (Common Lisp, CLOS, Loom Knowledge Representation Language under SunOS)

Other Projects

- Details available on request.

Wharton School, University of Pennsylvania

Instructor/Teaching Assistant/Research Assistant

- Assisted professors instructing Wharton undergraduates and MBA students
- Developed curriculum and instructed Wharton undergraduate core course in Business Data Processing using COBOL, Summer introductory programming course using Pascal
- Collaborated in research for CODASYL DDLC and ANSI X3H2 on database access and integrity control

Technical Experience

Platforms:

Windows (3.X, 95, 98, NT3.5, NT4.0, 2000), DOS, and Mac
Unix (Berkeley, Sun), Linux
Xerox 1109, TI Explorer, and Symbolics AI workstations

Languages:

WWW: XML, HTML/DHTML, ASP, JavaScript, VBScript
AI: most Lisp dialects; Prolog; Ontolingua; DAML/OIL, OWL
Procedural: Java, C, C++, Visual Basic, Pascal, Fortran, COBOL, APL
Miscellaneous: SQL

Tools/Environments:

Expert System Shell: ART*Enterprise, Xerox Loops
WWW: Macromedia Dreamweaver, Microsoft Visual Interdev, Microsoft FrontPage, Bluestone Sapphire/Web, Allaire Cold Fusion, SoftQuad HoTMetaL Pro, Allaire Homesite, Symantec Visual Page, others
DBMSs: Oracle, Sybase, MS Access, MS SQL Server
Miscellaneous: all MS Office components, numerous other applications of various types

Education

Ph.D. Program (*no degree*), Decision Sciences, Wharton School, University of Pennsylvania
B.A., Humanities, University of Pennsylvania