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Graphics and Web Design Portfolio:  
[www.liquidgraphicsdesign.com](http://www.liquidgraphicsdesign.com)

## SKILLS

**Software:** Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Adobe Dreamweaver, Adobe Flash  
**Programming Languages:** (X)HTML, CSS, JavaScript, PHP, ActionScript 3.0, C/C++, Oracle PL/SQL, SQL  
**Operating Systems:** Windows, Mac, UNIX

## WORK EXPERIENCE

- August 1997 - Sept. 2001** - **LHS Infocell, Inc.** **Marlborough, MA**  
Senior Software Developer
- Designed, developed and tested interfaces between point of sale system, InfoCell™ Converge, and third party software (billing system, credit bureau, etc.). Interface handlers are written in C++ using Oracle Class Library for database access. Stored procedures are written with PL/SQL.
  - Designed and developed a GUI application, XI Monitor (XI - eXternal Interfaces), to dispatch external request handlers and collect request statistics. Improved XI performance by implementing it as a multithreaded application.
  - Worked on developing an XI Class Library which includes base classes for most common request types (activation, customer lookup and retrieval, account payment, credit check, etc.), utility and exception handling classes.
  - Designed and implemented a “Generic Data Mapping” approach that allows to resolve data mapping at run time (data driven) rather than at compile time. Worked with a database team on the data modeling for this project. Extended XI Class library to include classes and methods for generic approach. Separated generic and non-generic class hierarchy.
  - Extended the XI Class Library to include methods to cache the mapping data at the time the handler is instantiated. Caching improved performance of the existing interface by 70%.
  - Initiated work on “Multiple XI Monitors” project that would allow balancing the request load between several servers.
  - Helped new team members to become familiar with development environment, tools and XI architecture.
  - Researched new technology and software, including COM/DCOM, CORBA, ASP and Java, to replace Client/Server architecture with distributed components architecture.
- July 1996 - August 1997** - **Gensym Corporation** **Cambridge, MA**  
Software Quality Engineer, Group Leader
- Developed automated and manual regression tests for the main product, G2.
  - Wrote C code to test G2 interface with external systems, using RPC and message passing.
  - Built and maintained a repository for regression tests using a CVS version control system.
  - Validated software and media quality before each product release.
  - Coordinated group activities.
- Jan. 1996 - June 1996** - **Enterprise Computing Institute, Inc.** **Hopkinton, MA**  
Software Engineer, Co-op position
- Built a software tool for scanning and parsing meta-data representing a learning space (collection of courses and lessons).
  - Developed the Graphical User Interface to display meta-data both textually and graphically .
  - Developed an interactive utility to facilitate the creation of a course dependency graph and its encoding into the equivalent string representation.
- Implemented the above tasks using ADA programming language

## EDUCATION

**Sept. 2008-** **American International College (AIC)** **Framingham, MA**

*March 2009*      *Digital Graphics and Web Design Certificate Program*

*June 2000*      **Sun Educational Services**      **Burlington, MA**  
*Java Programming Language - 5 day class*  
*OO Analysis and Design for Java Technology (UML) – 5 day class*

*Jan. 1995-  
March 1997*      **Northeastern University**      **Boston, MA**  
College of Computer Science  
*Master of Science in Computer Science*  
Related Courses: Analysis of Algorithms, Computer Architecture, Operating Systems, Database Systems,  
Object-Oriented Data Management, Principles of Programming Languages, Artificial Intelligence,  
Data Modeling, Object-Oriented Design, Computer Networks, Distributed Operating Systems.

*Sep. 1989 -  
June 1994*      **Moscow Civil Engineering Institute**      **Moscow, Russia**  
Department of Automated Systems and Information Processing  
*Systems Engineering Diploma*