

*RESUME OF:*  
**RUSSELL GLASSER**

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## **EXPERIENCE SUMMARY**

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An eclectic software developer and problem solver with a focus on Internet solutions and data management.

## **COMPETENCY HIGHLIGHTS**

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APPLICATION DEVELOPMENT	WEB DEVELOPMENT
E-COMMERCE	DATA MINING AND ANALYSIS
MULTIMEDIA / GUI	WEB 2.0

## **INDUSTRIES / ENVIRONMENTS**

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Client / Server Web Applications, 3D Simulation, Educational Software, Scientific Programming

## **SYSTEMS FAMILIARITY**

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**Technologies and Platforms:** Perl/CGI, Java, JavaScript, Ajax, DBI, HTML/CSS, XML, ASP, C, C++, Visual C++/MFC, Visual Basic, Oracle, Access, MySQL, LDAP, Windows XP/Vista, Unix AIX

## PROFESSIONAL EXPERIENCE

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- **University of Texas Master's Program (1/2006 to 12/2007)**
  - Master's Report: Mining web-based news rating systems to determine patterns of user interest in a range of journalistic topics. Work was developed in Eclipse, using JDBC against a MySQL server, combined with the JTidy HTML-parsing library. (Draft) <http://www.apollowebworks.com/russell/samples/Russell%20Glasser%20Masters%20Report.pdf>
  - Data Mining class project: Analysis of 12 years of crime statistics compared to implementation of gun control laws in all US counties. (WEKA, Perl) <http://www.apollowebworks.com/russell/samples/Glasser-Killmar%20Guns%20and%20crime.doc>
  - Software Validation class project: Logic problem solver which reads English text and generates visual representation of possible solutions. (C, Alloy, Java) <http://www.apollowebworks.com/russell/samples/Implementing%20Natural%20Language%20to%20Alloy%20Transformations.pdf>
  - Distributed Systems class project: Peer-to-peer application for solving large scale math problems. (Java multi-threaded application) <http://www.apollowebworks.com/russell/samples/Analyzing%20the%20benefits%20of%20implementing%20BOINC.doc>
  - Mobile Computing class project: Real-time graphical simulation of environment-tracking sensor network. (Java Swing graphical application) <http://www.apollowebworks.com/russell/samples/Sensor%20Network%20Simulation.doc>
- **CDI (10/2000 to Present)**
  - Full-time contractor for IBM.
  - Developed GSA Tools, a web based front end on a large file storage system, using CGI/Perl and JavaScript. The tool handles file sharing, project and group management, and access control. Also includes remote command line utilities.
  - Developed libraries for handling Lightweight Directory Access Protocol (LDAP).
  - Developed web-based file browsing system, similar to MS Windows Explorer.
  - Cron jobs for dealing with periodic routines such as password expiration.
  - Wrote a wide variety of scripts and development tools, including specialized source control web application.
- **Compuware Corporation (9/1999 to 10/2000)**
  - As a contractor and consultant, worked on a variety of projects for several clients.
  - Developed web-based timesheet tracking software using Access and Oracle databases, object oriented Perl with DBI package, JavaScript.
  - Designed an online banking and loan system for NetX3, using Oracle database, object Perl with DBI package, XML.
  - Developed complete online system to track nationwide oil prices for PDS, using ActiveServer / VBScript, ADO interface, JavaScript.
  - Aided in launch of Bike.com online store, developing in Java and JavaScript, SSI, object Perl with DBI package.
  - Profiled commercial web sites for Globeset, in preparation for “e-wallet” project, using XML and Java. Also developed Access database for organizing site profiles.

## Russell Glasser

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- **Computer Learning Center - Fort Worth, TX (12/1998 to 5/1999)**
  - Taught classes for client-server programming curriculum, including courses in Unix, C, Visual C++, Access
  - Received high approval ratings from student surveys, ranging around 95%.
- **Interface Technologies Corporation - Santa Cruz, CA (10/1997 to 6/1998)**
  - Developed immersive virtual reality environments for military training purposes, using state-of-the-art sensor and tactile equipment, Visual C++ and World Toolkit.
  - Solved problems such as collision detection; "pointing" detection for picking up virtual objects; reading in a raw list of polygons representing a building model and outputting information about rooms, hallways, and door frames; arm gesture recognition.
- **Smartek Software, Inc. - San Diego, CA (3/1996 to 7/1997)**
  - Designed and implemented *Verbal Impact* in Visual Basic. *Impact* is a commercial educational multimedia software product, making use of sprites imported from 3d Studio, interactive activities with GUI emphasis, avi movies, and sound effects.
  - Wrote an MS Access contact management utility for internal company use.
  - Used Windows graphics code for applications such as animated sprites.
  - Worked as a team with a graphic artist
- **General Atomics - San Diego, CA (1/1995 to 2/1996)**
  - Wrote FORTRAN program to generate graphical equilibrium test code to support physics research.

## EMPLOYMENT HISTORY

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CDI	Austin, TX	2000-Present
Web contract work	Austin, TX	1999-2000
Computer Learning Center	Fort Worth, TX	1998-1999
Interface Technologies Corporation	Santa Cruz, CA	1997-1998
Smartek Software	San Diego, CA	1996-1997
General Atomics	San Diego, CA	1995-1996

## EDUCATION

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### **Master of Science in Computer Engineering, December 2007**

University of Texas at Austin

### **Bachelor of Science in Computer Science, June 1997**

University of California, San Diego

### **Training in Visual Basic Instruction, April 1999**

Week long seminar with Deitel & Deitel