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## **OBJECTIVE AND SKILLS**

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My main objective is to work with C/C++/C#.NET/ASP.NET or PHP. I am very skilled in implementing the data layer and business layer model. I am also capable in working with the presentation layer. My SQL skills and web skills are very strong including HTML, CSS, and Javascript.

## **EXPERIENCE**

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### **Strategik Solutions ASP.Net, PHP** **Denver, CO**

**04/15/2008 – Present**

I work on ASP.Net C# and PHP websites. The ASP.Net projects included a realty tour site for realtors selling a property. The client had an ASP.Net site that showcased a property utilizing expert photography and flash virtual tours. The client wanted many more sites to showcase other properties. My job at Strategik Solutions was to build a tool for generating the sites. The project was very successful. PHP projects included developing CRUD user interfaces working with MySql tables. To facilitate this development, I implemented a DataGridView class. This allowed me to quickly implement CRUD user interfaces with such features as pagination, sorting, editing, and deleting.

### **SysTest Labs** **Denver, CO**

**10/22/2009 – 11/9/2009**

I worked as a source code review (SCR) specialist. SysTest relies on contract employees to facilitate their electronic voting software certification process for various clients. Last year (06/19/2008-07/25/2008) I was part of the team that worked on electronic voting certification for New York. In 2009, I was called to work on electronic voting certification for the Philippines May 2010 elections. SysTest Labs considers my work to be excellent and I always get positive reviews.

### **Casino Software Solutions (CSS)** **Denver, CO**

**08/12/2008 – 05/01/2009**

I developed C# programs for Casino Software Solutions. This was a very challenging, extreme agile, software development position. The primary LOB at CSS is player management for casinos. The casinos have a patron database, primarily Aristocrat, and CSS software is a third party application that interfaces with this patron database. As lead developer, I was responsible for developing, accurate and secure, high transaction data layers and refactoring the business layers to be object oriented. I was also responsible for enhancing many of the features of the presentation layers. I was continuously given challenging projects such as a TCP interface for a POS application.

### **U.S. Geological Survey** **Denver CO**

**08/2001 – Present**

I research numerical methods for solving ground-water modeling problems. I am expert at C programming and have experience interfacing **FORTRAN** code with C code. Parallel programming skills are also important in my research. My work is performed on **Linux** operating system with **subversion** revision-control software. I write research papers and documentation. I continue to work on a volunteer basis so that I can continue my research which I find interesting.

## **Silversmart Jewelry**

**Denver, CO**

**04/01/2004 - Present**

I am the Silversmart Jewelry web site developer. I implemented a shopping cart application based on the **Plain Cart** public domain shopping cart solution. I also, occasionally, work as a sales associate. As a sales associate, I happily work with a diverse group of customers providing professional and courteous service.

## **Freelance Web Developer**

**Denver, CO**

**04/02/2004 – Present**

in addition to SilversmartJewelry.com , currently manage two other websites. One site is for a bar-prep instructor and the other site is for an artist and photographer. Links to the sites I work on are available at <http://fishsaucesoup.com>.

## **eCollege**

**Denver, CO**

**01/2007 – 04/2007**

I was contracted by eCollege through Aquent Staffing Services to convert online courses from the client's platform to eCollege's content managed platform. This job required great attention to detail and extensive use of **HTML**.

## **Red Rocks Community College**

**Lakewood, CO**

**01/2004 – 09/2006**

I was responsible for teaching **mathematics**. I taught **college algebra**, **calculus**, and **statistics** in addition to basic math concepts. I was responsible for the course content and the evaluation of student performance. I also worked in the Learning Resource Center as a tutor.

## **Community College of Denver**

**Denver CO**

**08/1997 – 08/2001**

I taught beginning and advance courses in C++ programming. I also taught introductory computer classes including **Microsoft Office** and **HTML/Javascript**.

## **EDUCATION**

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Ph. D. Applied Mathematics	University of Colorado at Denver	2001
M.S. Applied Mathematics	University of Colorado at Denver	1994
B.S. Applied Mathematics	University of Colorado at Denver	1991
Microsoft SQL Server 2000 Certificate	Exam 072-229	2005
Microsoft Web based Applications with Visual C# .NET	Exam 072-315	2005

## **PUBLICATIONS**

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MODFLOW-2000, The U.S. Geological Survey Modular Ground-Water Model -- GMG Linear Equation Solver Package Documentation, USGS Open-File Report, 2004-1261,2004,  
<http://pubs.usgs.gov/of/2004/1261/pdf/ofr20041261.pdf>

Multigrid preconditioned conjugate-gradient solver for mixed finite-element method, Computational Geosciences,2009, <http://dx.doi.org/10.1007/s10596-009-9152-z>