

# Curtis A. Cowan

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## Objective

I am seeking a position in the field of Software Development/Management incorporating my Statistical/Data Analysis skills.

## Technical skills

### Primary Skillset

- C#.net, MVC/MVVM, Entity Framework, SQL, HTML, CSS, JavaScript, jQuery, jQueryUI, SPSS Syntax

### Software & Technologies

- Statistical Analysis: SPSS
- Database: Microsoft SQL Server
- Platforms: Microsoft Windows, Mac OSX
- Other: Microsoft Visual Studio, ASP.net, C++.net, VB.net, VBScript, Java, XML, Turbine Video Engine SDK, Autodesk Maya, Autodesk 3D Studio Max, Adobe Photoshop, Adobe Premiere, Adobe After Effects, Adobe Media Encoder, Adobe Flash, Adobe Acrobat, Adobe InDesign, Adobe Illustrator, Corel Paint Shop Pro, Microsoft Office, Android SDK, and Eclipse IDE

## Experience

### Software Development/IT/Digital Print Plating

Dec 2011 – Present

#### *Western Mailing Services*

- Develop C#.net MVC4 Order/Job Flow Tracking System website using Entity Framework 5 as the ORM to MS SQL 2012 database (more than 50 tables).
- Maintain and continue development of C#.net and MS SQL 2012 (more than 50 tables) Windows Form Application used by customer to schedule and coordinate monthly mailings.
- Implement and configure Kodak Prinergy Evo Workflow System with Preps Plus.
- Assist with configuration and maintenance of company servers and workstations.
- Upgrade computers and associated hardware.
- Create digital print plate files and submit to Computer-To-Plate Maker system.

### Self-Employed (Research and Software Development)

Jan 2007 – Present

- Develop personal and commercial websites.
- Built and maintained websites for golf and track learning companies. Developed several server-based applications for processing/storing/handling uploaded golf and track lesson files for the websites. Extended and maintained MS SQL database (one more than 100 tables/one more than 50 tables) for the websites.
- Developed C++.net code for golf, sprint, and hurdle teaching applications.
- Performed all statistical analyses used in developing golf modeling algorithms, golf clubfitting algorithms, and golf shaft design.
- Assisted in biomechanical analysis of sprinters and hurdlers for USATF under the High Performance Division and Sports Performance Workshops. This program was an integral part in the USA winning over 50 Olympic, and more than 100 World Championship medals, as well as several more medals for other countries, during my tenure.
- Created graphics, videos, flash presentations, and other media as needed for both websites, and for the world leading book on sprint and hurdle mechanics.
- Coordinated annual USATF HPD Sprint and Hurdle seminar.
- Assisted in creation of the USATF National Podium Education Project.

## Research and Development

Dec 1992 – Jan 2007

*CompuSport at Grand Cypress, CompuSport International, and ModelGolf (iterations of company)*

- Designed and created two most recent versions of the golf instruction CD *Fundamentals of a Model Swing*.
- Assisted in the development of CompuSport/ModelGolf website. Maintained and extended both websites and databases.
- Developed C++.net code for golf, sprint, and hurdle teaching applications.
- Performed all statistical analyses used in developing golf, sprint, and hurdle modeling algorithms, plus golf shaft recommendation algorithms. Performed all statistical analyses used as basis for one of the All Time Top 10 selling golf instruction books.
- Assisted in biomechanical analysis of sprinters and hurdlers for USATF under the Elite Athlete Program/High Performance Division.
- Digitized still camera game film for biomechanical analysis of players for 4 NFL teams.
- Operated golf teaching system for more than 7,000 golf lessons.
- Created graphics, videos, flash presentations, and other media as needed for websites, DVD/CDs, and for one of the All Time Top 10 selling golf instruction books.
- Coordinated annual USATF EAP/HPD Sprint and Hurdle seminar.

## Education

### University of North Carolina Wilmington

Jan 1991 – May 1992

*Wilmington, NC*

- Bachelor of Arts, Mathematics
- GPA: 3.30
- Dean's List: Fall 1991 (3.31) and Spring 1992 (4.00)

### The Ohio State University

Sep 1988 – Apr 1989

*Columbus, OH*

- Majored in Mathematics
- GPA: 2.00

### Brevard College

Aug 1986 – May 1988

*Brevard, NC*

- Associate of Arts, Liberal Arts
- GPA: 3.21
- Attended on the Angier B. Duke Scholarship
- Member of 1987 NJCAA National Championship and 1986 NJCAA National Runner-Up Cross Country teams
- Nominated for the NJCAA Academic All-American Cross Country Team, 1986 and 1987

## Affiliations & Interests

- Desert Oasis High School Volunteer Assistant Cross Country and Track and Field Coach, 2015 to present
- Las Vegas Karting Championship Technical Director (2013, 2015, 2016)
- Las Vegas Kart Club (2010 and 2011 Board of Directors Vice-President, 2009 Board of Directors Member)
- Sports Science/Analysis
- MultiSport (Duathlon), Cycling, Cross Country, Track and Field, Road Running
- Basketball
- Motorsports
- Technology, SmartPhones, Tablets, Computers, Audio/Video