

# Eric Squires

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<http://eric-squires.com>

## Technical Strengths

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<b>Computer Languages</b>	C#, VBA, HTML, CSS, JavaScript, Python
<b>Libraries</b>	WPF, Telerik WPF controls, Telerik Data Access ORM, jQuery
<b>Databases</b>	Oracle
<b>Tools</b>	Git, TFS, Visual Studio, Crystal Reports

## Work History

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### Software Engineer

SCHNEIDER PACKAGING EQUIPMENT, INC.

C#, WPF, Oracle, Crystal Reports, HTML, CSS, JS, jQuery, VBA

July 2011 – Nov 2015

As sole developer for a medium sized business, responsible for working with employees across the breadth of the company to identify areas for improvement, assess business needs, gather requirements and get feedback on projects as they're developed. Developed company libraries for easy code reuse in both C# and VB.

- Worked with accounting to develop C# application that generates banking data from Oracle database. Behavior defined by JSON files and supported output formats are CSV and fixed width.
- Worked with inventory and shipping/receiving departments to develop a WinForms program to generate and print both shipping and inventory transaction labels from data in an Oracle database.
- Worked with purchasing and machine shop to develop an easy to use system for reporting on raw material needs. Machine shop enters requirements using a barcode scanner with a custom program that uploads to an Oracle database. Requirements are displayed to purchasing and updated in WPF application.
- Developed database queries, views, stored procedures and database architecture. Many of these deal with complex hierarchical data and required careful testing and tuning to ensure reasonable performance.
- Worked with internal and external teams from various companies as technical advisor and liaison on various projects including migration to a new CRM system and development of a new product requiring custom hardware and an embedded software solution.
- Created series of webpages utilizing CSS, JS and jQuery enabling user access to Crystal Reports. The pages track most accessed and recently accessed reports as well as redirecting from deprecated reports to their replacements.
- Maintained legacy VBA in addition to developing new functionality and a library of VBA modules for code reuse.

### Software Tester

THE SOFTWARE SPECIALISTS

JS, C

November 2010 – June 2011

Worked on contract to test aircraft radio software. Tasks ranged from code inspection in C, automated test authoring in JavaScript and advising peers on testing methodology.

- Worked with developers to troubleshoot automated tests written in JS and pinpoint deficiencies in software implementation.
- Performed code inspections on C code to find style violations and potential errors.

## Research Assistant, Developer

SUNY GENESEO RESEARCH FOUNDATION

C++, Python, HTML, CSS

April 2008 – April 2010

Worked on a team with one professor and 2 – 3 other students developing the Interactive Visualizations in Particle Physics (IViPP) program, written in C++. IViPP reads output from various particle physics simulation programs and draws them using constructive solid geometry.

- Lead design and development of a Python library to allow users to quickly and easily build complex three dimensional geometries via constructive solid geometry.
- Worked with physics department at Geneseo and members of the Lab for Laser Energetics at the University of Rochester to identify bugs and develop new features and improvements.
- Updated IViPP's user interface from hand built OpenGL to GTK+.

## Education

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BS, Computer Science

SUNY GENESEO

2009