

# Michael Nielson

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## Contact Info

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Technologies	Development Tools	Other Tools
<ul style="list-style-type: none"><li>● C#</li><li>● Java</li><li>● JavaScript</li><li>● Python</li><li>● PHP</li><li>● C++</li><li>● Objective C</li><li>● HTML/HTML 5</li><li>● ASP.NET</li><li>● Web Services(SOAP/REST)</li><li>● JSP</li><li>● AJAX</li><li>● JSON</li><li>● Regex</li><li>● XPath</li><li>● SQL</li><li>● ORM (Object Relational Modeling)</li><li>● UML</li><li>● WPF</li><li>● CSS</li><li>● jQuery</li><li>● Prototype/Scriptaculous</li><li>● MooTools</li><li>● Linux</li></ul>	<ul style="list-style-type: none"><li>● Microsoft .NET Framework</li><li>● J2EE</li><li>● Glassfish</li><li>● Tomcat</li><li>● Visual Studio 2008</li><li>● Visual Studio 2010</li><li>● Eclipse</li><li>● Netbeans</li><li>● SQL Server 2005</li><li>● MySQL</li><li>● Visio</li><li>● Vim, Textmate</li><li>● Bash/Command Line</li><li>● Apache</li><li>● Nginx</li><li>● Django</li><li>● Smarty</li><li>● Subversion</li><li>● Git</li><li>● phpMyAdmin</li><li>● PuTTY</li><li>● Zen Coding</li></ul>	<ul style="list-style-type: none"><li>● Wordpress</li><li>● Wikimedia</li><li>● Drupal</li><li>● Gimp</li><li>● VMWare Workstation</li><li>● Mantis</li></ul>
		Technical Skills
		<ul style="list-style-type: none"><li>● OOP (Object-Oriented Programming)</li><li>● SOA (Service Oriented Architecture)</li><li>● Information Modeling</li><li>● Database Design</li><li>● Application Design</li><li>● Unit Testing</li><li>● Software Engineering Methodologies</li></ul>
Honors/Awards		
4 Time winner of the Neumont Coding Contest		Contest
2 Time UVU Dean's List		Academic Award
Other Skills		
Project planning, documentation, and research. Strong writing and presentation skills.		
Activities		
Grader for Algorithms I		Summer 2009
Competitor at the Regional ACM Programming Competition		November 2009
Member of UPHPU and Utah Python User Groups		February 2009
Project Experience		
Project Name; Primary Role	Description	Other Roles & Responsibilities

CCA MusicRX Kid's Website <a href="http://mymusicrx.org/">http://mymusicrx.org/</a> Winter 2009-2010 Lead Developer	Website for the Children's Cancer Association. Kids with cancer can post updates about their life and music they enjoy. Purchases through the site help support the association and treatment for children with cancer.	Developed rich front end and JavaScript tools to interface with Apple's iTunes store API. Added Facebook integration. Created libraries for generating images on the fly and a caching system to keep image generation to a minimum.
Fueling Tank Gauge Controller Current/January 2010 Lead Developer	A C# library and interface for interacting with VeederRoot Fuel Tank Gauges. The library interfaces with gauges through Serial and TCP/IP connections.	
AJAX Java Forum <a href="http://java.safetytrick.com/forums/">http://java.safetytrick.com/forums/</a> September 2009	Rich JavaScript and AJAX forum.	
AJAX/Comet IT Ticketing System November 2009	A Java ticketing system, the interface allows live chat between users. The chat is responsive due to use of Comet/long polling.	
360 Management Evaluation <a href="http://clearviewleadership.com/">http://clearviewleadership.com/</a> August 2008	A leadership evaluation tool for 360 evaluations. Manages surveys, users, and each user's professional relationships. The system generates PDF reports dynamically.	
C# WPF Golly Game of Life Clone November 2008	A implementation of the Game of Life, the algorithm used is $O(N)$ on the number of living cells and can load and run large simulations with no bound on space.	
A.I. Enabled Pacman July 2009	A very complete clone of the original Pacman.	

## Education

### Bachelor of Science - Computer Science

Neumont University

Expected September 2010

### High School Graduation

Timpview High School

May 2003

## Employment

### Web Developer

The Treeline Group  
Orem, Utah  
February 2009 – present

I currently work for the Treeline Group as a web developer; when I first joined Treeline I was hired as a PHP/MySQL/JavaScript developer. I have recently been assigned a project using Python and the Django web framework. I was able to quickly learn Python and work productively almost immediately despite the new language and framework. With Treeline I have worked on many rich websites including [weblessons.com](http://weblessons.com), [dng.com](http://dng.com), and a soon to be released website for the Children's Cancer Association. I am able to build intuitive interfaces with great attention to detail; I look for solutions that make the interface intuitive at first sight and convenient on a day to day basis.

<b>Consultant and Contract Developer</b> eFueling Austin, Texas September 2009 – present	As a consultant, I assisted eFueling in researching languages and operating systems for an unattended fuel station controller. I studied out and presented the pros and cons of using open source tools such as Java or Mono on Linux and their current environment of .Net on Windows and presented the pitfalls of each. As a developer, I wrote a library to communicate with a fuel tank gauge over both TCP/IP and a serial connection. I have also managed the creation of a reporting interface for the tank gauge.
<b>Site Developer/Sole Proprietor</b> ClearView 360 Data Processing South Jordan, Utah April 2008 – present	I am currently working with a Utah Valley University professor developing a 360 management evaluation tool. I've been responsible for server administration (an Ubuntu Linux based server) and all development. The application is coded in PHP with a rich front end in JavaScript/JQuery.
<b>Client Services Representative</b> AtTask Orem, Utah February 2008 – July 2008	While with AtTask I handled client issues installing a Java based web-application. I worked with clients installing and administering this application on Windows, Linux, and Apple servers. AtTask provides a web based project management tool. Working here gave me firsthand experience assisting in building project plans and coordinating work effort.
<b>Customer Service Representative</b> MySite Orem, Utah November 2006 – February 2008	I provided email and phone support for web-hosting customers and assisted in website setup for our clients. In addition I managed MySite's Knowledge Base where I wrote, coordinated, and edited articles on basic web site management principles. I also assisted many of our clients in administering Fedora and RedHat based Virtual Servers.

**References Available Upon Request**