**Matthew Morrone**

[matthewmorrone.com](http://matthewmorrone.com) ☐ [matthewmorrone1@gmail.com](mailto:matthewmorrone1@gmail.com?subject=)

**Skills**

☐ Languages Javascript, C#, Node, PHP, Java, C, Python, Perl

☐ Database MySQL, Oracle, PL/SQL, SQL Server, MongoDB (NoSQL), PostgreSQL

☐ Technologies HTML5, CSS3, Razor, Canvas, SVG, XML, XPath, XSLT, DOM, AJAX, JSON

☐ Libraries jQuery, jQuery UI, jQuery Mobile, Underscore/Lodash, Coffeescript, Sweet (Mozilla)

☐ Frameworks Angular, Knockout, NHibernate, Oracle/JDBC, Backbone, CakePHP, Django (MVC)

☐ Development Git, Visual Studio, Sublime Text 2&3, SVN, XAMPP, MAMP, Eclipse, Aptana

☐ General Shell Scripting/Bash, Photoshop, Microsoft Office, Web Management/Hosting

**Work Experience**

[**Geodecisions**](http://www.geodecisions.com/)**, Camp Hill, PA**

*Software Engineer (TEKsystems Contractor), June 2014 - October 2014*

☐ Work on the Enterprise GIS system (EGIS), web app that embeds maps into existing and new web applications.  
☐ Create functionality for sharing map configurations among specified groups of users.  
☐ Design database schema and implement with PL/SQL, implement ORM and MVC with NHibernate via Visual Studio. ☐ Use Razor, jQuery, Bootstrap, and other libraries to create a functional, intuitive user interface  
☐ Extend REST API of application, upgrade existing functionality to update via AJAX.  
☐ Implement Angular directives to add modular functionality to existing projects  
☐ Design grunt tasks to aid in debug application’s debugging process  
☐ Use Git, Sourcetree, JIRA, Jenkins to work effectively alongside team members

[**The Affective Computing Company**](http://www.taccpgh.com)**, Pittsburgh, PA**

*Software Engineer, Database Administrator*, April 2012 – October 2013

☐ Build a content management system with CakePHP for use by company employees and customers.

☐ Plan out and implement schema in MySQL, test and optimize to ensure efficiency and data integrity.

☐ Construct email/text messaging system with PHP/Cron to send messages at specified times.

☐ Design a mobile version of the site for taking surveys with jQuery Mobile and Twitter Bootstrap.

☐ Create a dashboard to visualize relevant data in table and graph form using HTML5 canvas.

☐ Implement secure password hashing (SHA1, SHA3), access control list, login/session functionality.

[**Learning Research and Development Center**](http://www.lrdc.pitt.edu)**, University of Pittsburgh**

*Undergraduate Research Position*, Perfetti Lab, August 2011 – April 2013

☐ Design surveys and web applications with HTML, CSS, jQuery and PHP to the specification of graduate students. ☐ Design web application in PHP, MySQL and Javascript -- allows researchers to upload and download files in various

formats (CSV, XML, SQL, etc.) into a MySQL database. Front-end GUI similar to a spreadsheet. Uses AJAX to automatically update server database. Implements data mining tools and graph visualization.  
☐ Conduct research that examines the neurophysiology of cross-language and bilingual language processing.

**Education**

University of Pittsburgh – Pittsburgh, PA Graduated April 2014

Bachelor of Science, Department of Computer Science Bachelor of Arts, Department of Linguistics

Data Structures, Algorithm Implementation, Database Management, Applied Cryptography, Machine Learning