

# Andrew Byerly

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## Full Stack C# .NET/PHP Developer

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Full-stack .NET/PHP developer based in the Chicagoland area. Has a passion for web development that goes back 15 years, and has been learning new technology and strengthening technical skills ever since. Works well in both collaborative environments and alone. Excels at problem solving, algorithm development, debugging code, and program optimization. Strong Object Oriented Programming, Design, and Analysis skills. Understands SCRUM/Agile and other software development methodologies.

### TECHNICAL SKILLS

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<i>Programming Languages</i>	<i>C#, PHP, JavaScript, HTML5, CSS3, SQL (T-SQL/MySQL)</i>
<i>Web Technologies and Frameworks</i>	<i>ASP.NET MVC, ADO.NET, Entity Framework ORM, Angular JS, Bootstrap UI, Skeleton CSS, XML, JSON, AJAX, RESTful API, LESS/SASS/SCSS</i>
<i>Databases</i>	<i>SQL Server 2014, MySQL</i>
<i>Tools/Methodologies</i>	<i>Visual Studio 2017, Microsoft SQL Server, Apache server, Microsoft Azure, Adobe Brackets, SDLC, Microsoft Office, Git, Adobe Photoshop, Adobe Premier</i>

### DEVELOPMENT EXPERIENCE

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#### All Things Delivered Business Site Rebuild

**Technology:** ASP.NET MVC, C#, Entity Framework, Braintree API, SendGrid API, FourSquare API, HTML, CSS, JavaScript, jQuery, Bootstrap

Rebuilt the customer-facing portion of the All Things Delivered website using .NET MVC and Entity Framework. Designed a relational SQL database to store delivery, customer, and restaurant data. Menu data is scraped from the FourSquare API and stored on a database as a daily automated Azure web job. Braintree API used for PCI-Compliant payment processing, and SendGrid API used for email delivery. Deployed on Microsoft Azure cloud hosting.

#### Space Time

**Technology:** JavaScript, jQuery, HTML, CSS

Designed and built a proprietary game engine and world building tools with Javascript. Created a physics model and collision detection algorithm. The game is a 4th dimensional 2D platformer, where the player controls a small blue alien as he travels through the multiverse to collect various objects.

#### What's in My Bar?

**Technology:** AngularJS, CocktailDB API, HTML, CSS

Built an angular app which uses the CocktailDB API to calculate which mixed drinks the user can make with the selected ingredients, and other drinks they could make with one additional ingredient.

### **Weatherly**

**Technology:** HTML, CSS, JavaScript, jQuery, bootstrap, Yahoo weather API

A weather app that sources data from the Yahoo! Weather API. The background image changes to match the weather condition.

### **Library Card Catalog**

**Technology:** C#, ASP.NET

A simple C# Console application to manage a library catalog. Serializes/de-serializes catalog data to a local CSV file.

### **Delivery Tip Tracker**

**Technology:** PHP, MySQL, HTML, CSS

Developed a database-driven tip tracker for pizza delivery tips. Features include a time clock to track estimated paychecks, a tip entry system that produces weekly reports of total tips, average tips per hour, and other useful information.

### **Recipe Optimization Tool**

**Technology:** PHP, MySQL, HTML

Developed a tool that returns a list of recipes to optimize efficient ingredient use. It uses a greedy algorithm to compare conflicting ingredients among recipes, and selects the recipe that would cause the fewest conflicts.

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## **EXPERIENCE**

### **All Things Delivered – Owner/Software Developer**

**2015-2017**

Developed an on-demand delivery service that connected customers needing items not traditionally delivered with independent contractors willing to deliver them. Designed and developed a PHP/MySQL e-commerce application with a driver dispatch and delivery management system.

### **Coding Temple, – Chicago IL – Software Developer**

**2017**

Built web applications written in C#, JavaScript, HTML, CSS, jQuery, AngularJS and bootstrap. Used the .NET MVC framework and Microsoft SQL Server.

- Developed a full stack e-commerce application using C#, ASP.NET MVC 5, MS SQL, HTML5, CSS3, Angular JS, and Bootstrap
- Designed normalized relational databases using SQL Server Express and T-SQL
- Used Entity Framework ORM to interact with the database and perform SQL queries
- Implemented multiple RESTful APIs including Braintree, SendGrid, and FourSquare

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## **EDUCATION**

**College of Dupage, Computer Science, Business, Engineering**

**2009-2011**

**Bradley University, Mechanical Engineering**

**2012-2014**

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