

# eric fritz

software developer

## contact

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## skills

Java, Python, C and C++, C#, Javascript, SQL, PHP, Objective-C, Swift, Groovy,  $\LaTeX$ , HTML5, CSS3, Common Lisp, Scala, ASP.NET MVC, LINQ, Flask, jQuery, AngularJS, Git, Subversion, MySQL, PostgreSQL, Redis, Windows, OSX, Ubuntu, Debian

## education

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|-------------|--|-------------------------------------|
| 2014 - 2017 | <b>Doctor of Engineering in Computer Science</b>   | University of Wisconsin - Milwaukee |
|             | GPA 4.0  |                                     |
|             | Advisor Dr. John Boyland   |                                     |
|             | Awards CEAS Dean's Scholarship, Spring 2014  |                                     |
|             | Dissertation Undetermined  |                                     |
| 2011 - 2013 | <b>MS Computer Science</b>   | University of Wisconsin - Milwaukee |
|             | GPA 3.970  |                                     |
|             | Advisor Dr. Christine Cheng  |                                     |
|             | Awards Chancellor's Graduate Student Awards (CGSA), Spring 2013  |                                     |
|             | CEAS Dean's Scholarship, Fall 2013   |                                     |
|             | Capstone 'Optimizing the RedPrairie Distance Cache'  |                                     |
|             | Designed and implemented a cache layer for RedPrairie's Travelling Salesman solver given very hard runtime and space constraints. The caching strategy showed a marked improvement in the solver's throughput. |                                     |
| 2007 - 2011 | <b>BFA Film, Computer Science Minor</b>  | University of Wisconsin - Milwaukee |
|             | GPA 3.593  |                                     |
|             | Honors Cum Laude, Dean's Honor List, Senior Honors   |                                     |

## experience

### career history

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|-------------|---|------------------------------------|
| 2008 - 2009 | <b>Software Developer</b>   | ESDN, Inc. - Janesville, WI        |
| 2011        | Developed and maintained a platform aiming to streamline e-commerce operations for hundreds of jewelry retailers and brands. Designed and implemented an application that managed collections of jewelry products between brands which provided additional features highly-demanded by clients. Redesigned and implemented a locations management application which provided a better user experience than its predecessor. |                                    |
| 2011        | <b>Software Developer (Freelance)</b>   | EMM Holdings, LLC. - Milwaukee, WI |
|             | Developed and deployed an application which managed company and employee entities for an accelerated startup. Improved testing and maintenance qualities of flagship application by introducing both a view and model layer into a redesigned architecture.   |                                    |

### teaching history

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|-------------|---|---|
| 2011 - 2014 | <b>Teaching Assistant</b>   | University of Wisconsin-Milwaukee - Milwaukee, WI |
|             | Designed the following three courses: Server-side Internet Programming (CS481), Rich Internet Applications (CS482), and Mobile Application Development under iOS (CS658).   |   |
|             | Assisted in the following six courses: Intro and Intermediate Computer Programming (CS201 and CS251), Data Structures and Algorithms (CS351), Intro to Software Engineering (CS361), Assembly Language Programming (CS315), and Text Retrieval and Its Applications in Biomedicine (CS744). |   |