# eric fritz

software developer

## contact

829 E. Knapp St. #36
Milwaukee, WI 53202

(608) 774-1120
eric@eric-fritz.com
http://eric-fritz.com

## skills and tools

Java · Python · Scala · Javascript · C# · C and C++ · HTML5, CSS3 · SQL · Swift · LaTeX
Git · Subversion · Reids · LINQ · ASP.NET MVC · PostgreSQL · Windows · OS X · Ubuntu · Debian

## education

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|---|---|---|
| 2014 - 2017 | **Doctor of Engineering in Computer Science** | University of Wisconsin - Milwaukee |

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| GPA | 4.0 |
| Advisor | Dr. John Boyland |
| Awards | CEAS Dean's Scholarship, Spring 2014 |
| Dissertation | In-Progress |

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| 2011 - 2013 | **MS Computer Science** | University of Wisconsin - Milwaukee |

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| 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. |

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| 2007 - 2011 | **BFA Film, Computer Science Minor** | University of Wisconsin - Milwaukee |

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| GPA | 3.593 |
| Honors | Cum Laude, Dean's Honor List, Senior Honors |

## experience

### career history

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| 2008 - 2009 2011 | **Software Developer** | ESDN, Inc. - Janesville, WI |

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.

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| 2011 | **Software Developer (Freelance)** | 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 - 2015 | **Teaching Assistant** | University of Wisconsin-Milwaukee - Milwaukee, WI |

Designed the following three courses: Server-side Internet Programming (CS481), Rich Internet Applications (CS482), and Mobile Application Develompent under iOS (CS658).

Assisted in the following seven courses: Intro and Intermediate Computer Programming (CS201 and CS251), Data Structures and Algorithms (CS351), Intro to Software Engineering (CS361), Assembly Language Programming (CS315), Text Retrieval and Its Applications in Biomedicine (CS744), and Compiler Implementation Laboratory (CS655).