

eric fritz

software developer

contact

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2014 - 2017

skills and tools

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

education

Doctor of Engineering in Computer Science

University of Wisconsin - Milwaukee

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

2011 - 2013

MS Computer Science

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

BFA Film, Computer Science Minor

University of Wisconsin - Milwaukee

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

experience

career history

2008 - 2009

Software Developer

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

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

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 Development 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).