

CEAS Department
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ERIC FRITZ

Programmer who is passionate about software seeks a position as a developer, overcoming challenging problems with creative solutions.

Projects **Minuet** A request-response framework written in PHP5 that provides resource routing and a simple abstraction over the HTTP lifecycle. *Minuet* is meant to be a framework for building web APIs that are RESTful and self-documenting.

Couple A PHP5 library that transforms rigidly-defined plaintext documents, such as JSON or XML, into domain objects. *Couple* also provides validation of hydrated objects, as well as serialization.

Lunar Fever A prototype game 2D-rendering and physics engine built with Java7 and AWT.

Skills **Proficient With:** PHP, C#, Java, Python, SQL, HTML/5, CSS/3, Javascript, jQuery ASP.NET, ASP.NET MVC 3, MySQL, MsSQL, Git, Subversion, Mercurial, Microsoft Windows, Mac OS X, UNIX, Linux (Ubuntu Server 10.04+)

Familiar With or Interested In: C, C++, VB.NET, Scala, Ruby, TeX, LaTeX, MongoDB, CouchDB, FlockDB, Redis

Education **MS in Computer Science** (2011-present)
University of Wisconsin-Milwaukee Milwaukee, WI
GPA: 4.0/4.0

Relevant Courses: Analysis of time and space requirements of and design of algorithms · Operating Systems · Processor organization and design

BFA in Film, Minor in Computer Science (2007-2011)
University of Wisconsin-Milwaukee Milwaukee, WI
GPA: 3.593/4.0

Honors: Cum Laude, Dean's Honor List, Senior Honors

Relevant Courses Programming in a structured, high-level, object-oriented language · Examination of abstract features of languages · Assembly and machine language programming

Career History **Software Developer** (2008-2009, 2011)
ESDN, Inc. Janesville, WI
Technologies: C#, Java, SQL (MySQL and MsSQL), ASP.NET MVC3, LINQ to SQL, HTML, CSS, Javascript, jQuery, Subversion

Developed and maintained a customizable e-commerce platform for hundreds of jewelry retailers and brands · Maintained constant communication with designers, testers, and database developers to ensure quality work · Designed and implemented an application that managed 'collections' of jewelry products between brands · Redesigned and implemented a locations management application which provided highly-demanded features and a better UX than its predecessor · Implemented an e-marketing system for jewelry retailers.

Freelance Software Developer

(2011)

ZoomShift and EMM Holdings, LLC.

Milwaukee, WI

Technologies: PHP, SQL (MySQL), [Twig](#), [Doctrine2](#), HTML, CSS, Javascript, jQuery, Git

Worked with an accelerated startup · Implemented an administrative panel for organization and employee management · Conversion of raw PHP templates into hierarchal and reusable components using the Twig template engine · Preparatory work for migrating raw SQL queries into a separate model layer using the Doctrine2 SQL ORM.

Teaching Teaching Assistant for CS-201: Computer Programming

(2011-present)

University of Wisconsin-Milwaukee

Milwaukee, WI

Technologies: Java, \LaTeX / \LaTeX

Conducted two laboratory sections per semester, about 20 students each · Evaluated and maintained grades for student homework, quizzes, and exams · Prepared and presented new programming concepts and techniques.