

Zachary M. May

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Qualifications

- 8 years experience with C/C++
- Strong Unix skills, including extensive experience with GNU tools
- 10 years experience with HTML
- Developed several dynamic, database-driven websites using PHP and MySQL
- Implemented a custom, extensible content management system using PHP and MySQL, to drive my personal website

Skills / Technologies

- C/C++
- Web Development, including HTML and CSS
- Perl
- Database Systems, particularly MySQL
- PHP
- Microsoft .NET Platform
 1. Basic knowledge of C#, ASP.NET
 2. Basic knowledge of Visual Basic .NET, but some practical experience with Visual Basic 5.0 and 6.0
- XML
- Unix, particularly Linux, including System Administration
- Mac OS X, including System Administration
- Windows, including System Administration
- Python
- Java
- Ruby, including Rails
- Lisp
- Objective-C/Cocoa SDK

Work Experience

Long-Term Substitute Teacher

Morgan County Board of Education West Liberty, KY 2006

- Teaching High School-level Algebra, Geometry, and Earth Science
- Responsible for classroom management and for creating and executing lesson plans for a two-month period while primary instructor is on leave.

Student Assistant, Interlibrary Loans

University of Kentucky Libraries Lexington, KY 2006

- Assisted in day-to-day operations in the Document Delivery section of Young Library's Interlibrary Loans department.
- Familiar with document scanning, ARIEL software, and Adobe Acrobat.

Web Developer / Research Assistant

University of Kentucky Lexington, KY 2004

- Helped develop a website for UK's Logic and Artificial Intelligence Lab
- Studied algorithms for satisfiability solvers and other applications of logic to problem solving in computer science.

Education

B.S., Computer Science (Summa Cum Laude)

University of Kentucky Lexington, KY Received: May 2006

B.S., Philosophy

University of Kentucky Lexington, KY Received: May 2006

High School

Morgan County High School West Liberty, KY May 2001

- Valedictorian, 4.0 GPA
- Two semesters of independent study, working on C/C++, Visual Basic, networking and web development.

Course Work

Relevant Work in Computer Science

- Introduction to Software Engineering
- Algorithm Design and Analysis
- Introduction to Numerical Analysis
- Logic and Theory of Computation
- Microcomputer Organization
- Introduction to Database Systems
- Fundamentals of Programming Languages
- Logic and Artificial Intelligence
- Introduction to Operating Systems
- Senior Design Project
- Graduate Introduction to Theory of Computation

Relevant Work in Philosophy

- Advanced Mathematical Logic, including Gödel's Incompleteness Theorem