

Cody Rank

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OBJECTIVE

A full-time position in the development and design of quality software.

EDUCATION & HONORS

Worcester Polytechnic Institute, Worcester, MA

Master of Science, Computer Science

October 2008

Graduate Assistance in Areas of National Need (GAANN) Fellowship

Bachelor of Science, Computer Science

May 2007

High Distinction, 4-year Presidential Scholarship

Member Upsilon Pi Epsilon

Harvard-Westlake School, North Hollywood, CA

June 2003

Honor Roll, AP Scholar

SKILLS & RELEVANT AREAS OF INTEREST

- **Computer Science:** I am knowledgeable and experienced in many areas of computer science including software engineering and architecture, web design, hardware, operating systems and networking. I am proficient in many programming languages including C, C++, C#, ASP.net, Java, Scheme, Perl, PHP, Ruby, Rails and SQL. I am also proficient in HTML, XHTML and CSS. I have experience developing under Linux, Windows and Mac OS X.
- **Open Source Software:** I have a strong interest in the open source community. I have experience both creating and using existing open source software and libraries.
- **Human Computer Interaction:** I have a strong sense of visual design and what makes an application usable. I take pride in developing software with strong user interfaces.

WORK EXPERIENCE

Software Development Engineer, Microsoft Corporation, Redmond, WA

2008 - Present

Designing, developing and testing tools to automate and standardize the build and deployment processes of websites and services within the Windows Live family of products.

Research Assistant, WPI Computer Science Dept., Worcester, MA

2007 - 2008

Developing software tools to improve communication between teachers and parents in the Assistentment system (assistentment.org), an Intelligent Tutoring System built in Ruby on Rails that assists students in learning mathematics and assesses their progress.

Teaching Assistant, WPI Computer Science Dept., Worcester, MA

2006 - 2007

Graded exams and projects, held office hours and answered students' questions.

Intern & Subcontractor, Cisco Systems, Boxborough, MA

2006

Developed internal software for the software tools business unit. Used Ruby on Rails to implement an auto-learning e-mail filtering system consisting of a web service for internal applications and a web-based control panel as a user interface.

Computer Consultant, BLT & Associates, Hollywood, CA

Summers of 2001, 2002, 2004 and 2005

Worked with technical staff to ensure availability of a robust network for a team of graphic designers. Developed scripts to automate common maintenance tasks previously performed manually. Worked with non-technical employees to improve the transparency of technology, enabling creative staff to focus on projects rather than on software and tools. Created a library database to organize and track a large collection of books, journals and stock photography.

Webmaster, Custom Interface Technologies, Joshua Tree, CA

2003

Worked with owner Phil Spinelli to design a website (no longer maintained) advertising consulting services, custom cabling solutions and professional wireless audio and video equipment for the entertainment media sector.

PROJECT EXPERIENCE

Bangkok Refugee Center, Thailand

2007

Developed a computer skills training course for the Bangkok Refugee Center with three other students. The course was designed to teach basic computer skills to urban refugees so that an existing English language program could be supplemented with practice in a computer language lab. Provided recommendations for improving the existing curriculum.

Openbook Project

2005

Worked with two other WPI students to create a website for trading used textbooks. The project began as part of a database systems course, but was thoroughly revamped and expanded for public release.