Jonathan Egeland

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Objective

Internship in the field of Computer Science or Information Technology. Particular interest in web and mobile application design and development, along with various data manipulation and visualization operations.

Education

Sherwood High School, Sandy Spring, MD (Class of 2013)

Freshman year: Computer Science I (C++). Grade: A.

Sophomore year: AP Computer Science II (Java). Grade: A. AP Exam: 5

Junior year:

AP Computer Science III (Java). Grade: A.

Assistant to instructor in Web Development Course.

Other coursework includes:

AP Calculus (BC)	AP Physics (ABC)
AP Statistics	AP World History
AP Government	AP US. History
AP Micro/Macro Economics	AP Language and Composition

Teaching Assistant for Web Development Courses

Double Period Accelerated Chemistry/Biology.

All other coursework at honors level.

Intended college major: Computer Science.

Experience

Pulsaric Media, Olney, MD (2011 - 2013) *www.pulsaricmedia.com*

Primary Developer

Website development and maintenance (**HTML, PHP, JS, MySQL, etc**.)

Database design and maintenance

Mobile-specific design and development

WordPress custom design and development

Integration with **social media** sites (Facebook, YouTube, Twitter, Flickr)

Custom web and print design

Client support and interaction

MCPS Headquarters, Rockville, MD (2012-2013) *www.montgomeryschoolsmd.org*

Back End Development Intern

Complete project cycle experience using **Ruby on Rails**

Experience as part of a full development team

Project and feature brainstorming and design

Debugging and testing of existing products

Weekly progress reports

Skills

Programming:

      C++ (One year in High School; Three years independent learning)

      Java (Three years in High School and independent learning, including **Android, .NET, C#)**

      Objective-C (One year independent learning)

      Ruby (Recent but extensive, building applications with the **Rails** framework)

      PHP / MySQL (Three years extensive use)

      JavaScript (Two years extensive use with libraries such as **jQuery,** and **d3**)

      Avid contributor to *Stack Overflow*, a well-known programming forum, mostly answering syntactical and theoretical questions on Java/Android and PHP.

Other Computer Skills:

      High proficiency with the most recent versions of Microsoft Office, Adobe Creative Suite, multiple IDE tools, Apple development tools, and both Windows and Unix command-line interfaces.

      Extensive experience with Microsoft Windows, Macintosh, and Linux systems.

      Experience with version control systems such as Git and SVN.

      HTML/CSS

Activities

Worship Musician:

      Bassist for Sunday Morning Worship Service (2006 - 2013)

      Guitarist and Vocalist for Youth Wednesday Night Worship (2006 - 2013)

      Hand bell Ringer (2006 - 2013) and Vocalist (2009-2013) in Waves of Grace

      Independent composer and song-writer (2010 - 2013)

Avid Audio Engineer (2007 - 2013):

      Extensive experience with tools such as Reason, Live, FL Studio, Logic and other DAWs.

      Member of multiple Audio/Visual teams (2010 - 2013):

            Run Sound Boards

            Construct efficient and powerful audio systems

            Quickly isolate and permanently fix problems

Computer Programming Club at Sherwood High School (2009 - 2013):

      Member (2009 – 2011), President (2011 - 2013)

      Led team to:

            2nd place at the *Philadelphia PClassic Programming Competition* (2013)

            3rd place at the *Montgomery College Programming Competition* (2013)

Selected Personal Projects:

      BandManager.us – **Ruby on Rails** project to help bands schedule events and determine playlists using **Twitter Bootstrap** styling.

      AmerAudio.com (in progress) – **PHP/MySQL** site to stream and manage audio by utilizing **AJAX** capabilities.

Sherwood High School Golf Team (2009)