

YOUSSEF B. CHAKER

ychaker@o19s.com

(703) 473-9838

COUNTRIES OF CITIZENSHIP

I am a citizen of Lebanon and the U.S.A., and am fluent in Arabic, English and French.

EDUCATION

2008 **University of Virginia, School of Engineering and Applied Science**, Charlottesville, VA
Degree: B.S. Computer Engineering
Thesis: Designing and Building an Energy Responsible Data Center
Certifications: UNIX Essentials Featuring the Solaris 10 Operating System (SA-100-S10)

TECHNICAL SKILLS

Programming Languages: Java, C, C++, C#, Ruby, Python, JavaScript, PHP, VHDL, x86 Assembly
Tools and Applications: Eclipse, FPGA Advantage, Mathcad, MATLAB, PSpice, Visual Studio

WORK EXPERIENCE

2008 - present **Software Developer, OpenSource Connections**, Charlottesville, VA

Which Ruby CMS Should I Use? <http://whichrubycmsshouldiuse.com>

Personal project where I set out to explore Ruby CMS products; shared my findings with the rest of the open source community

National Veterans Conference: <http://www.nationalveteransconference.com>

Ported legacy HTML code to a Drupal CMS Web site; implemented additional site features such as video integration and user registration

Newswise: <http://www.newswise.com>

Ported legacy PHP code to the Zend MVC framework; updated search functionality to use the Solr search engine; integrated AJAX into the user interface; improved the user interface in parts of the site; integrated Test-driven development and Agile methodologies with the Newswise in-house team and our development process; wrote a Ruby script to import legacy data to a new database

Madison Digital Image Database

Helped integrate exporting and importing images to Flickr in python for the new MDID-3 version using the flickr API and the Django framework

Sweet Briar College: <http://www.sbc.edu>

Ported legacy PHP code to a Drupal CMS Web site; implemented redesign of the site; wrote custom modules to implement specific client functionality

American Association of Retired Persons (AARP)

Developed a Ruby on Rails Web service that collects user data and calculates their relative “misery” based on the their location and cost of living; developed its equivalent Facebook and OpenSocial applications

Cosmo

Worked on a Ruby on Rails application that fetches the properties of chemical substances and stores the information in a MySQL database; developed search functionality that allows users to search for substances matching a certain query on the selected properties

Madison County School

Wrote a technology road map for the school's IT department; advised on how to go about the transition to a “greener” data center

2007 **Intern, Computer Sciences Corporation**, Chantilly, VA

Researched and wrote a white paper about “greening” data centers; worked in the Enterprise Network Management Services Center of Excellence

2006 - 2007 **Teaching Assistant, University of Virginia Department of Computer Science**, Charlottesville, VA

Answered Java related questions in weekly lab sections; graded homework and exams; held office hours

2006 **Intern, Splendor Telecom**, Beirut, Lebanon

Developed a graphical user interface for a monitoring system