
COUNTRIES OF CITIZENSHIP

I am a dual 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: C, C++, C#, Java, JavaScript, Python, PHP, Ruby, VHDL, x86 Assembly
Tools and Applications: Eclipse, FPGA Advantage, Mathcad, MATLAB, PSpice, Visual Studio
Development Methodologies: Agile, Scrum, Test Driven Development, Behavior Driven Development

WORK EXPERIENCE

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

TicketFly: <http://www.ticketfly.com>

Implemented a scanner application on a Windows Mobile 6 platform in .Net to scan event tickets at venues; integrated reporting functionality to the scanner application; developed communication process between scanner and server to ensure updated information

Reengineered the TicketFly user accounts application using Grails to serve a central independent OAuth service provider to other TicketFly applications; wrote a WordPress plugin to serve as a OAuth consumer of the TicketFly API; integrated the Facebook Graph API functionality into the account application

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 through blog posts available on the project's website

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; added social features to the conference website

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 (TDD) 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 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 using virtualization technologies and “in the cloud” solutions

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