

## Michael Harpe

1604 Swinton Ln, Henrico, VA 23238, (804) 543-0554, michael@harpelife.com

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**EDUCATION**      *James Madison University*, Harrisonburg, VA  
Bachelor of Science in Computer Science  
Minor in Telecommunications  
May 2012

**KEY COURSES**

- Local Area Networks
- Internetworking
- Information Security
- Cyber Defense
- Multimedia Design

**SKILLS**

- C#, SQL, JAVA, BASH, PHP, JavaScript, Python, Powershell, VBScript
- Systems Administration of Windows and Linux Systems
- Installing and running Exchange Server, IIS, Active Directory, DNS, Apache, Nginx, DHCP
- Ability to configure CISCO IOS devices
- Ability to use network analysis tools: NESSUS, Nmap, etc.
- Ability to set up a VPN server
- Basic understanding of VOIP protocols
- Knowledge of installing and running Asterisk PBX
- Ability to set up and run NFS servers
- Installing and running VMWare, ESXI, VSphere

**EXPERIENCE**      **Southeastern Underwriters** *Business Analyst*      May 2012 - Present  
As a business analyst my responsibilities include performing help desk tasks by troubleshooting and solving employee computer software and hardware problems. I administer the windows servers on the company's network. I design and implement in house insurance software systems written in C# using the agile development method, as well as building the corresponding Visual Foxpro databases to process data and display it to employees in a user friendly manner. I oversee these projects from start to finish, from collecting requirements to building the whole system. I have worked on large scale projects that were in development for 6 months as well as smaller projects that make day to day processes more efficient. My job also requires direct communication with our company's clients to resolve website related issues.

**JMU CampusNET** *Computer Support Tech*      Aug 2011 - May 2012  
As a student employee I was tasked with troubleshooting and diagnosing hardware and software problems on student's computers, including networking issues, virus removal, and recovering files after a hard drive crashes.

**International Mission Board** *Global Technology Services Intern* Summer 2011  
As a summer intern I assisted in a full system development life cycle using the Agile development method. I gathered information from users to determine software requirements. I designed and developed asp.net web pages in C# allowing users to input data. Using SQL Server Management Studio I wrote queries and stored procedures, to retrieve and store data from the company database. I also tested the web pages and created a test group from the user base.

**International Mission Board** *Desktop Services Intern* Summer 2010  
As a summer intern I diagnosed and repaired software and hardware issues on employee computers. I created hard drive images and then used them to image multiple computers at once. I installed computer encryption software on employees computers before they relocated overseas. I oversaw disposing of old computers that were no longer functional by wiping hard drives and recycling the remaining parts.

## HONORS

August 28, 2007 *Eagle Scout Award*  
March 2011 *Second Place in Mid-Atlantic Regional CCDC*  
March 2012 *Third Place in Mid-Atlantic Regional CCDC*  
May 2012 *Information Systems Security Professionals Certificate*  
April 2012 *Inducted into Upsilon Pi Epsilon Honor Society*  
April 2012 *JMU CS Leonard Lapadula Award*

## PERSONAL PROJECTS

**Care Ministries Record System** 2015  
I built a website for the Care Ministries food pantry record system. The site was developed in PHP using Laravel as a MVC framework. The site allows users to keep track of client records as well as create reports based on demographics of the clients.

**Binarytees** 2014  
Binarytees was a website I built with a friend that sold custom made geeky shirts. I developed it in PHP, JQuery, and MySQL. The site allowed users to purchase shirts from us, where the orders would then be sent to a print on demand service using their API.

**Harpelife Website** *On Going* <http://photos.harpelife.com>  
I created a personal website that displays photos and manages them within albums. The website was written in PHP using the bootstrap framework. The photos are hosted on flickr where I created a script to grab the meta-data from each photo.

**Home Network** *On Going*  
I created an extensive home network that includes multiple servers running on ESXI. I setup Windows Servers running Active Directory, DNS, and DHCP. I also created a network file share system, and a PBX phone system to use as our home phone.