

Joshua M. Schroeder

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<http://www.ComputersAreMe.com>

Education

University of North Carolina at Charlotte Aug. 2008- 2012
Masters in Software Information Systems concentration Security and Privacy
with a Minor in Technical Writing.

Rowan Cabarrus Community College Aug. 2007- Jul. 2008
Concord, N.C. Earned 34 credits towards a Bachelors of Arts.

Skills

- Team Leader
- Training, Ability to Learn, Resourceful
- Web, Network, & Physical Security
- HTML, JavaScript, PHP, MySQL, Drupal, BASH Scripting, C#, C++, Java, VB
- Experience in:
BackTrack, Nmap, Nessus, Metasploit, John The Ripper, Cain and Able, AirCrack, Wireshark, Burp, VMware, Fortify, Eclipse, Netbeans, SVN, TrueCrypt
- Windows, Linux & Macintosh

Professional Experience

UNC Charlotte TA for ITIS 5221/4221 – Web Vulnerabilities | Charlotte NC
Setup WAR files, loaded Debian Machines with Virtual machines for software testing and assurance labs. Assisted students with Netbeans, Eclipse, and database errors. Then graded the labs and attended class to help with instruction.

Navy Air Command (NAVAIR) 2010 Summer | Patuxent River, MD
The candidate supported the NAWCAD Computer Network Defense (CND) team which oversees the CND posture for NAVAIR. Duties included vulnerability analysis, patch remediation strategies, system vulnerability scanning and hardening. Duties also included CND process improvement strategy and implementation.

Networking Research Experience for Undergraduates at UNC Charlotte: 2009 Summer | Charlotte, NC

An opportunity to learn about graduate school by working with graduate students, under the direction of a PHD professor through a paid internship. Responsibilities included reading research reports, securing web and network interfaces, setting up a VOIP server, and traveling to WINMEC at UCLA to learn about RFID.

ComputersAreMe November 2004 – Present | Charlotte,NC

CTO- Setup and provide technical support for home and small business networks as well as secure custom software solutions. Setup customized security packages for over 30 computers and provided tech support via phone and Internet on a continuing basis. (<http://www.computersareme.com>)

Best Buy June 2008 - August 2008 | Concord, NC

Geek Squad, CIA-New PC setup, old PC repair, in addition assisted customers in making technology decisions.

Rowan Cabarrus Community College January 2008 - May 2008 | Concord, NC

Academic Tutor- Tutored students in mathematics courses through Pre-Calculus and General Chemistry 1.

Events Attended

Shmocon 2011

Carolina Con 2010

UNC Charlotte Security Symposium 2010 & 2009

RFID WINMEC at UCLA 2009

Information Systems Security Association (ISSA) 2009 & 2010

Charlotte 2600 Group Member 2010-Present

Awards/Honors

Federal Cyber Service: Scholarship for Service Scholarship (SFS): A unique program designed to increase and strengthen the cadre of federal information assurance professionals that protect the government's critical information infrastructure.

Team Captain International Capture the Flag 2010, Competed 2009 and 2008:

Conducted training exercises in stenography, forensics, reverse engineering, web hacking and data organization to help team prepare.

First Place 2009 & Second Place 2010 in the Southeast Collegiate Cyber

Defense Competition: A competition between schools in the Southeast United States. Teams scored based on their ability to detect and respond to outside threats, maintain availability of existing services, respond to business requests, and balance security requirements against business needs.

First Place UNC Charlotte 8 Hour Programming Competition: A competition that requires teams to create a demo site using 3 APIs and secure interfaces, while incorporating design principles and sell the idea to the professional judges from Bank of America, Microsoft, Wachovia and other local businesses.

Information Systems Security Association Scholarship: This was a scholarship for UNC Charlotte Students provided by Charlotte area security organizations.

Boy Scout Eagle Award: An Eagle Project conducted at the Hispanic Learning Center. Of the *60 computers* that had been donated, the project *tested all of them and set up five* of the computers with word processing, basic games, and protected Internet.

Toastmaster's Competent Gravellier Award: Presented 10 major speeches and practiced giving meaningful evaluations and impromptu speeches.

STARS Alliance: is an NSF Broadening Participation in Computing Alliance. The Alliance sponsors the STARS Leadership Corps, which includes students from 25 universities and colleges who undertake outreach, research experiences, and community service to increase participation in computing.

Projects

President of 49th Security Division: Responsible for organizing club meetings to help students learn security and make school and career choices.

Marine Corps Field Threat Research: Analyzed the abilities of terrorists to use devices purchased on the Internet to intercept cell phone and RFID transmissions of U.S. Marines.

SNAGEM: SNAG'EM is a social networking game that allows people network with each other through randomized missions received via text messaging, a web interface, or a dial in system. Designed during 2009 Research Experience for Undergraduates. Personal responsibilities included Asterisk Server research, C-Sharp QR Codes plugin, pen testing, RFID usability. <http://snagemgame.com>

Red700: Allows users to shut down a list of unused programs, explorer.exe, and disable screensaver simultaneously therefore, increasing PC performance. In addition, it allows users to start a group of programs in a batch. Features include GUI and command line interfaces, in-program scheduling, or grouping of tasks into profiles. User tested running Windows 95, 98, Win2000, Win XP, and Vista. <http://red700.rainbowware.com>

Inside Eye: Designed to collect and log statistics, cycle log run data from Ingersoll-Rand Torque Controllers, determine whether Cp or Cpk was above or below the set-point, and Email the plant Quality Assurance person(s).

Website Design: Developed websites thehlc.org, and bilingualtherapybydesign.com using HTML, CSS, MYSQL, Google Mapping APIs, Drupal, and other Content Management Systems. Worked on complete pricing, project management and communication and licensing of content and services.