

LARRY L. ADAMS II

Please contact me through **E-mail:** professorlarryadams@gmail.com



Highly educated and experienced managers in both private and public sectors of computer and information system industry with proven track records in cyber security, data science, database, networking, programming, technology training, and web development.

Marquis Who's Who Honors as [Cybersecurity and IT Consultant](#) and [Top Educator](#)

EMPLOYMENT BACKGROUND

Germanna Community College (Fredericksburg, VA Aug 2021 to Present)

Associate Professor of Cyber Security – ITN 101, 106, 200, 260, 261, 262, and 263

Head Coach for Cybersecurity Hacking Team in which I helped students to secure IT positions ranging from \$60,000 to \$107,000. Won the VA Cyber Range 2026 tournament at VMI for Community Colleges.

I teach courses through Canvas in CompTIA CYSA+, Network Plus, Security Plus, PenTest+, and Certified Ethical Hacking approved curriculum. My evals range for overall performance and ethical diversity from 4.7 to 5.0.

Instructional Designer for IT, Computer Science and Cybersecurity

Over the years, I have developed many courses both on campus and online through many different platforms like Blackboard, Canvas, Zoom, and many other technologies to align with Blooms Taxonomy and Maslow's needs. My Doctorate Dissertations were on learning verses teaching styles.

la-web-solutions (Stephens City, VA June 12, 1982, to Present)

Information Systems Technology Consultant in Cyber Security and Web Development

Helped businesses to save money and time through Developing IT solutions at affordable prices.

Web Experience

- Create and maintain websites using the latest web standards by W3C and HowTo.gov.
- Expert in using Dreamweaver Suite 6 (Dreamweaver, Fireworks, Illustrator, Photoshop).
- Expert in developing online databases in LAMP, WAMP, or MAMP environments.
- Expert in using Google Docs, Cloud, and Tracking for development and reporting.
- Create Access, Oracle and SQL databases for customer accounts, inventory, and surveys.
- Build, design, and troubleshoot all IBM PC, UNIX, and MS Advance 2000, 2008, 2012, 2016 Servers.
- Prepare cost analysis regarding technology equipment.
- Setup usernames, passwords, and account privileges for users.
- Develop new web pages using ASP, CGI, Java, Java Script, HTML, and XML.
- Maintain and upgrade Microsoft, Linux, Solaris, and UNIX servers.

Security Analysis

- Cyber Security expert and Pen Tester for Enterprise networks, firewalls, web servers and databases.

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- Software used to test for vulnerabilities are Metasploit, Nmap, Wireshark, Aircrack-ng, John the Ripper, Nessus, Burp suite, Acunetix, w3af, Netsparker, Core Impact, Probely, Cain & Abel, LC4, Zed Attack Proxy, Ettercap, Social Engineer Toolkit and SQLMap to only mention a few.
- Perform pre-and post-audits on networks and websites regarding security issues.
- Risk Assessment to include threat assessment, incident reporting, budgeting, confidentiality, integrity, modeling (Stats), and rating systems for hardware, software, and human factors.

Project Management

- Impact (if exploited) * Likelihood (of exploitation in the assessed control environment) = Risk Rating which helps determine scheduling and replacement of software, hardware, and personnel.
- Project Manager integrates new technologies for databases, firewalls, networks, and web servers. Software to include Microsoft Project and Excel, Gantt Project, Basecamp, SharePoint, and Smartsheet.

US Coast Guard – DHS (October 28, 2008 – March 16, 2019 - full time 40 hours a week) Retired.

IT Developer and Web Master for the [National Maritime Center](#) (series 2210) GS 13-7

Duties include developing and maintaining our databases, software, and websites for the US Coast Guard and National Maritime Center which is visited by millions of customers and taxpayers annually. The Customer Approval Rating is 99%.

Budget Manager - Oversee technology budget for hardware and software equipment for development at the National Maritime Center. Our annual budget is 1.4 million dollars, which I handle the approval for replacement technology.

Cyber Security Expert – Serve on committees regarding Web Development and Cyber Security for the National Maritime Center and US Coast Guard. Software used to test for vulnerabilities are Metasploit, Nmap, Wireshark, Aircrack-ng, John the Ripper, Nessus, Burpsuite, Acunetix, w3af, Netsparker, Core Impact, Probely, Cain & Abel, LC4, Zed Attack Proxy, Ettercap, Social Engineer Toolkit and sqlmap to only mention a few. Oversee security policies and government regulations regarding the development of new technology like online chatting, databases, and websites.

Database Manager – Oracle 9 and 11G, forms, MySQL 5.5, MS Access, and MS Sequel Server 2008r and 2012. I have created 12 new database systems in Oracle 11g, MS Access, and Microsoft SQL Server through ERD modeling to SDLC approval process to meet employee and customer needs. These online databases for processing applications via the Internet using Secure Socket Layer that eliminates the need for paper application and processing.

Data Science – Google Analytics Subject Matter Expert in using DS tools like SPSS, MS Excel, SAS, RStudio, SQL, and Python.

Federal Compliance Manager - As the Web Master for the National Maritime Center and USCG oversaw design and development of 450 Webpages that must meet all federal mandates and web programming requirements by W3C. Subject Matter Expert in E-Government Act, FISMA, FIPS 199/200, OMB 130, USA Patriot Act, 508 Compliance, and Digital Strategy to only mention a few.

Network Engineer – Created and maintained a secure wireless system for testing and development mobile systems. Install and maintain Dell Servers, CISCO Pix firewall, Switch, Routers, and Juniper Firewall for NMC.

Project Manager – Subject matter expert in developing new software and database applications for the National Maritime Center who is the authority in issues Merchant Mariner Credentials to Mariners all over the world. Applications include tracking document management system, Congressional, FOIA, inventory, mariner records, and divisional reports on production. Expert in the following Project Management Software tools to include MS Project, Primavera, One Note, Smartsheet, SharePoint, and Project Place (cloud base).

Technical Trainer

Serve as a technology trainer in developing new IT applications for customer service center like Online Chatting Systems Live Help Now (<https://www.livehelpnow.net/>). Helped gained efficiencies in supporting customers from 1:1 to 1:10 ratio significantly reducing the response time for the Mariner community. Trained staff including customer services to senior managers, on the use of various technologies. I continue to develop and teach various curriculums including cloud-based applications, data science, and web applications. Creating application curriculum included Pinnacle, final cut pro, video production and Dreamweaver.

Web Programmer and Software Engineer – Java, C++, JavaScript, ASP, JSP, Perl, PHP, Python, HTML, XML, .Net Studio, and Dreamweaver. Subject Matter Expert in LAMP, MAMP, and WAMP web frameworks and Content Management Systems like AFPIMS, Drupal, Joomla, MS SharePoint, and WordPress.

Shepherd University (Shepherdstown, WV August 18, 1998 – May 21, 2005 – full time 40 hours a week)

Full time Assistant Professor of Computer and Information Sciences
Network and Database Administrator for four Computer Research Labs

- Duties include teaching courses in Networking and Data Communications courses (MS 2003 Server, Linux, and AIX UNIX), Programming (Java, .Net Studio, PHP, and C/C++), Database Management (Access, SQL, and Oracle 9i), Web Programming (Dreamweaver, HTML, PHP, JavaScript, XML, CSS), E-Commerce, Management Information Systems, Computer Organization, Computer Architecture, Operating Systems (Solaris, Linux, Novell, MS Server, and UNIX), and Network and Information Security (Firewalls, IDS, Honey Pots, and Hacking).
- Academic Advisor to more than 85 students per semester. Placed over 1,000 students into IT jobs in the federal government and throughout the computer industry (US Coast Guard, CIA, FBI, NASA, NSA, and VA Cyber Security).
- Developed 10 new online web courses using WEBCT and Black Board distance learning tools.
- I spent 8 years teaching Cyber Warfare, Security, and Intrusion Detection to White Hats. Expert in exploiting networks and database applications.
- Network Administrator for four computer security research labs that have UNIX based servers (AIX and Solaris), Linux, and MS 2003 Servers that runs Oracle 9i database. Plus, configured Cisco routers, firewalls, and 50 Dell computers to simulate hacking in a White Hat environment.
- Wrote and received a \$284,000 grant regarding new software from the Oracle Corporation.
- 15 part-time faculty members supervised in the Networking and Data Communications concentration.

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Supreme Concrete and Block (Leesburg, VA June 12, 1989 – May 3, 1995 – full time 40 hours a week)

Account Executive, Project Manager, and Database Manager

- Managed more than 1,200 accounts in Northern Virginia and Washington, DC area.
- Created and maintained several inventory and customer account databases (FoxPro, Oracle, and Access).
- Projects and accounts ranged from several thousand dollars to over 100 million dollars at naval bases, airports, schools, federal buildings, and large resorts. Maintained database inventory for each project along with using MS Project Management software to track all phases of each project.

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Harvard University (Cambridge, MA - August 12, 2015, to May 12, 2017)

Part Time Faculty at the Harvard University Extension School

I taught both labs and lectures in Data Science and Database Management with Dr. Mata-Toledo through Harvard University's distance learning program. I taught the students how to use predictive statistics and Monte Carlo Method predict future outcomes.

- [CSCI E-59 Database Management Systems](#)
- [CSCI E- 84 A Practical Approach to Data Science](#)

Software used in the courses are MS Excel, Oracle Data Mining, SPSS, RStudio, Sass, and many others.

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University of Maryland University College (Adelphi, MD 2004 – 2010)

Part Time Associate Professor

Duties include teaching the following online courses:

- IFSM 454 Information System Security Mechanisms
- IFSM 410 Database Management
- IFSM 433 Information Security Policy
- IFSM 201 Computer Systems through distance learning

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Shenandoah University (Winchester, VA 1999 – 2006)

Part Time Assistant Professor – Graduate School Duties

include teaching the following courses:

- Programming (C++ and Java) in graduate school
- Oracle 9i Database Management in the School of Business
- Introduction to Networking CSC 301
- Data Structures CSC 201

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Lord Fairfax Community College (Middletown, VA 1997 – 2005)

Part Time Assistant Professor – Information Systems Duties

include teaching the following courses:

- Computer Architecture, Advanced Databases, Advanced Excel, Microsoft Office, Programming (Java), Operating Systems, and Web Development.

ACADEMIC DEGREES

Harvard University

Graduated in the top 5% of all graduate students earning the Dean's List Academic Award for making straight A's.

- **Master of Liberal Arts Information Systems (ALM)** (Digital Media Design) 2014 to 2016 GPA 3.91.
- **Graduate Certificate** in Web Development 2013 to 2015 GPA 3.91.

Shenandoah University

- **Doctorate in Education (ABD)** GPA 3.93 2003 – 2006
Concentrations: Administrative Leadership and Instructional Technology
- **Master of Science in Computers (MS)** GPA 4.0 1998 – 2001
Concentrations: Computer Science
- **Master of Business Administration (MBA)** GPA 3.70 1993 – 1995
Concentration: Computer and Information Systems

Shepherd College

- **Bachelor of Science Degree** 1985 – 1990
- **Major:** Political Science **Minor:** Economics

CERTIFICATION TRAINING

Completed the training only. Recently completed **SAN's** 36-hour training 542 Web Penetration and Ethic Hacking Course. Also, I completed the **Computer Security Institute** Intrusion Detection System Security training (40 hours) and I have the certificate.

- Oracle Certified Associate 9i
- CompTIA Network+® Certification
- CompTIA Security+™ Certification
- CompTIA PenTest+
- CompTIA CYSA+
- SANS CEH
- MS Project Management
- (ISC)2 CISSP
- Certified Internet Web Master (CIW)
- CSI IDS Security Training
- Oracle Certified Professional 9i
- CSI Intrusion Detection

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MILITARY EXPERIENCE

29th Light Infantry Division (Winchester, VA October 23, 1982 – July 1, 1991)

Virginia Army National Guard

Duties included serving as a TOW Gunner and RECON Scout for the 116th Combat RECON HQ unit.

- Served as a Military Instructor, Scout Observer, Sniper, and Tow Gunner (11 Bravo and 11 Hotel).
- Graduated March 17, 1983, from Fort Benning Infantry School.
- Attended Mountain School Fort Ethan Allan in Vermont.
- Trained at Fort Bragg, Fort Meade, Quantico Marine Base, Fort A.P Hill, Fort Pickett, Fort Benning, and Fort Jackson to only mention a few.
- Honorably Discharged in 1991.

Military Awards: Department of the Army Achievement Award, Army Reserve Achievement Medal, and Virginia Service Medal.

Top Gunner for TOW Missile in 1983 by shooting a live Missile beyond its range and hitting target to win Battalion competition at Fort A.P. Hill.

29th Light Infantry is a Virginia National Guard Unit located in Winchester, Virginia. I proudly served my country and state while working my way through college.