

GARY ALLEN HARRIS

Contact at <https://GaryHarris.com>

EDUCATION

Doctor of Philosophy, Computer and Information Sciences, University of Arkansas at Little Rock, 2024. GPA 4.0

Education Specialist. Education Technology, (Information Science and Learning Technologies), University of Missouri. 2016. GPA 4.0

Master of Science. Information Systems Security. University of the Cumberlands. 2020. GPA 4.0

Master of Engineering Management. Saint Martin's University. 2006. GPA 3.63

Bachelor of Science. University of Tampa. 1985. GPA 3.147

Major: Management Information Systems. **Minor**: Psychology.

Graduate Studies (194 Semester Hours):

Information Technology: 52 Graduate Semester Hours

Information Security: 40 Graduate Semester Hours

Business Administration/Management: 25 Graduate Semester Hours

Education: 18 Graduate Semester Hours

Doctoral Research: 42 Graduate Semester Hours

Other: 17 Graduate Semester Hours

PROFESSIONAL CERTIFICATIONS

QM Certified Peer Reviewer (for Higher Education). 2016. Quality Matters.

Online Educator Graduate Certificate. 2016. University of Missouri.

Stanford Certified Project Manager. 2013. Stanford University.

Stanford Advanced Computer Security Professional. 2013. Stanford University.

Distance Education Certified Trainer. 2006. University of West Georgia.

Project Management Professional (PMP). 2006. Project Management Institute.

Certified Enterprise Integrator (CEI). 2005. Society of Manufacturing Engineers.

EXPERIENCE OVERVIEW

Over 30 successful years in highly demanding positions in online education, instructional design and development, systems analysis and development, project, resource, and personnel management, and consulting.

Education / Teaching Experience:

Instructional Designer and Adjunct Faculty - 39 Courses

Instructional Design Project Manager - 110 Courses

University Dean - Business and Information Technology - 2 Years

Volunteer Instructor Trainer - 11 Years - American Red Cross

Learning Management Systems: Blackboard, Canvas, Brightspace/Desire2Learn (D2L), eCollege

Information Systems and Business Experience:

Project and Program Manager - 18 Projects and 3 Organizational Programs

Management Analyst - 7 Projects

Lead Analyst / Developer (Full Lifecycle Development) - 19 Systems

Lead Web Developer / Administrator - 14 Commercial Web Sites and 4 Web Applications

Enhancement and Maintenance Developer - 12 Systems

PUBLICATIONS

Harris, G. A. (2024). *Exploration of the Gap Between the Secure Web Application Development Competencies Needed by Industry and Those Competencies Provided by Graduates of U.S. Undergraduate Software Engineering Programs* (Publication No, 3144736881) [Doctoral dissertation, University of Arkansas at Little Rock], ProQuest Dissertations and Theses Global.

Harris, G. A. (2024). How State Universities are addressing the Shortage of Cybersecurity Professionals in the United States. *Journal of Cybersecurity Education, Research and Practice*, 2024(1), 27.

<https://doi.org/10.62915/2472-2707.1194>

Harris, G. A. (2019). *Total College Success: What You Absolutely Need to Know BEFORE Starting College*. Academic Architects.

RESEARCH INTERESTS

Data Security, Secure Software Engineering, Systems Development Project Management, Applied Cryptography

EDUCATION / TEACHING EXPERIENCE DETAIL**Aug 2019 - May 2020, Southern Illinois University. (On-Line Adjunct Faculty)**

IST-336, Web-Based Applications in Information Systems
 IST-370, Database Programming with SQL
 IST-405, Server-Side Web Development
 IST-422, Mobile Programming

Jul 2016 - Dec 2019, University of Missouri. (On-Line Adjunct Faculty)

ISLT-4375 / 7375, Mobile Web Application Development
 ISLT-4310 / 7310, Introduction to JavaScript
 ISLT-4356 / 7356, Interactive Web Design with JavaScript

Aug 2016 - Jul 2019, University of Maryland. (On-Line Adjunct Faculty)

CMIS-102, Introduction to Problem Solving and Algorithm Design
 CMIS-320, Relational Database Concepts and Applications
 SDEV-300, Building Secure Web Applications
 SDEV-325, Detecting Software Vulnerabilities
 SDEV-360, Secure Software Engineering
 SDEV-425, Mitigating Software Vulnerabilities

Sep 2011 - Aug 2016, Professional Standards Institute. (Academic Program Manager)

Program Manager: Managed the development and delivery of 13 certificate programs, 24 courses, and 19 instructors.

Instructional Design Project Manager: Managed the design, development, and delivery of eight courses.

Process Engineering Project Management
 Construction Project Management
 Engineering Resource Management
 Professional Programming in HTML5
 Engineering Project Management
 Leaders as Coaches: Driving Performance through Dialogue
 Accelerated Management Concepts
 Professional Customer Service

Instructional Designer / Instructor: Designed, developed and taught eight asynchronous professional development courses.

Applied Project Management
 Advanced Project Management
 Applied Web Development
 Professional Web Applications Development
 Web Database Design, Development, and Implementation
 Management Engineering Tools and Techniques
 Instructor Orientation Course
 Student Orientation Course

Web Applications Developer: Designed and developed the Learning Management System used by PSI.

Jun 2009 - Sep 2011, Kaplan University (School of Professional and Continuing Education). (Dean of Business and Information Technology)

Program Administrator: Managed the administration of 44 business and information technology certificate programs consisting of 168 courses, 16 instructors, and over 4000 students.

Instructional Design Project Manager: Managed the design, development, delivery, and SME/instructor recruitment for nine business and information technology certificate programs consisting of 102 courses.

Instructional Designer / Faculty: Developed and taught three courses in Computer Security. Backup instructor during absence of primary instructor for multiple business and information technology courses.

Introduction to Information Security
 Security Architectures
 Business Operations Security

Web Applications Developer: Designed and developed the Kaplan Academic Management System web application, used by the Academics Department for managing course development, programs, courses, books, SME's, and instructors.

**Jan 2008 - Jun 2009, Kaplan University (School of Professional and Continuing Education).
(On-Line Adjunct Faculty)**

Taught 10 On-Line Courses in Information Systems Security, CT201 through CT210.

Dec 2006 - Jan 2008, Kaplan University (School of Professional and Continuing Education). (Consultant)

Instructional Designer. Designed and developed ten computer security courses for Kaplan University, School of Professional and Continuing Education. The courses included 1) Information Security and Risk Management, 2) Enterprise Security Architecture and Design, 3) Access Control Systems and Methodology, 4) Application Security, 5) Operations Security, 6) Cryptography, 7) Physical Security, 8) Telecommunications and Network Security, 9) Business Continuity Planning and Disaster Recovery, 10) Legal, Regulations, Compliance, Investigations, and Ethics.

Instructional Design Project Manager. Designed the course syllabus for 25 IT courses for Kaplan University, School of Professional and Continuing Education. Managed 12 Subject Matter Experts and two course reviewers in the development of the course content for these 25 courses making up 12 programs. The programs included Systems Administrator/Systems Engineer (7 courses), Technology Specialist/Professional Developer (7 courses), Cisco Network and Design Associate/Network and Design Professional (8 courses), CompTia A+/Network+ Technician (3 courses).

Jul 2006 - Sep 2006, DeVry University. (Adjunct Faculty)

Taught MGMT 404, Project Management, Hybrid Course (50% Classroom, 50% Online)

Jun 1986 - Apr 1990, Central Texas College, Overseas Division (Adjunct Faculty)

Introduction to Information Systems
COBOL Programming I and II
First Responder

Aug 1979 - Apr 1990, American Red Cross (Volunteer Instructor Trainer)

Instructor:

Basic and Advanced First Aid, and CPR
Water Safety and Swimming
Instructor courses for the above subjects

Other: Worked at Red Cross First Aid Stations at several community events.

INFORMATION SYSTEMS AND BUSINESS EXPERIENCE DETAIL

Jun 2019 - Present, Systems Solutions Innovation Design Group, LLC. (Owner / Managing Director)

Business Manager. Manage the day-to-day operations, in support of commercial software development and marketing, commercial web site development and marketing, and information technology and management consulting services.

Apr 1997 - Aug 2016, TrakSoft, LLC. (Director, Chief Analyst, Project Manager, Independent Consultant)

Business Manager. Managed the day-to-day operations, budgeting, and contractor management in support of commercial software development and marketing, commercial web site development and marketing, and information technology and management consulting services.

IT Project Manager. Contract Analyst Contracts Management System, and SunWasp Personal Information Manager (commercial products); VetTrak (for client); Real World Photos Photograph and graphic art brokerage service website, and Real World Documents Research document brokerage service (eCommerce websites); Plus 16 projects above where I was the project manager for the project as well as being involved in the development.

Lead Analyst/Developer. (Full lifecycle system design, development, database modeling and design, stored procedure and trigger development, implementation, maintenance, and support) BizTrak Business Management System (internal use); SurveyTrak Survey Point Management System, and PFS-Trans Transportation Project Funding System (commercial products); Estimation and Bids Analysis System, Client/Server Digital Ortho Photo Information System Federal Aid Tracking System, and Survey Monument Management System (for WA State Dept of Transportation); Local Employee Selection System, Client Tracking System, and Alternate Care System (for WA State Dept of Veteran Affairs); Data Conversion System (WA State Attorney General's Office); CertTrak Academic Management System Web Application, TS-LMS Learning Management System Web Application, Org Voucher Management Web Application, Cert Testing Web Application, Antique Mall Management System, and Immunization Management System, and HOF Matchmaking System (for various clients); and designed and developed a systems class library for desktop and client/server applications.

Web Site Developer / Administrator. (Full lifecycle system design, development, database modeling and design, stored procedure and trigger development, implementation, administration, and integration with Authorize.net for clients and internal use) ProfessionalStandardsInstitute.com; TrakSoft.com; PROptions.com; VetTrak.com; DomainProShop.com; SurveyTrak.com; PFSTrans.com; ContractAnalyst.com; PersonalDataPro.com; HomeDataManager.com; PersonalHealthPro.com; CareerDataManager.com; PersonalDataOrganizer.com; WritersCloset.com; SwiftCreekWoods.com; and designed and developed a class library for web applications.

Feb 2005 - May 2006, Watkins Motor Lines (Software Engineer)

Performed the maintenance and enhancement development of several Dockyard applications to include OPDY, CrossDock, YardMove, and Cheetah that schedule, track and plan delivery routes for freight in support of the operation of over 14,000 tractors and trailers and 140 service centers in the US and Canada.

Mar 2004 - Feb 2005, Fringe Benefits Management Company (Software Engineer)

Performed the maintenance and enhancement development of the proprietary employee benefits processing application for the organization's clients.

Jan 2004 - Apr 2004, State of Florida Department of Health (Osteoporosis Program Manager)

Managed the statewide Osteoporosis Prevention and Training Program. Worked on the development of a Program Management System written in ASP.NET.

Mar 1995 - Apr 1997, State of Washington Dept of General Administration (Client/Server Applications Developer)

Lead Analyst/Developer. Designed, Developed, Data Modeled, Implemented and Supported a Client/Server Parking Management System for the WA State Dept of General Administration. The system manages over 6000 parkers in 34 parking lots. Developed an Internet form for interactive parker registration. The system interfaces with an Accounts Receivable System and Statewide General Ledger. Increased productivity and data reliability and simplified business processes.

Program Manager. Implemented and managed a division-wide project management and billing system (Platinum). Managed and supported an accounting system (MAS-90).

Dec 1994 - Mar 1995, State of Washington Dept of Labor and Industries (Research Analyst)

Managed and planned the data collection and preparation for the statewide impact analysis study of the change in Washington State's child labor laws.

Dec 1993 - Aug 1994, Washington State Investment Board (Information Systems Manager)

Project Manager. Participated in the competitive selection and project oversight of two consulting firms for two critical Washington State agency information systems projects valued over \$325,000.

Systems Manager. Managed the maintenance programming of the State-Wide Investment Management System consisting of 225 COBOL programs in support of investment accounting of over \$26 billion of assets in 40 funds.

Lead Analyst. Designed a Client/Server Document Imaging and Management System.

Nov 1974 - Dec 1993, US Air Force

(Manpower Manager, Project Manager, Systems Manager, and Operations Manager)

- Master Sergeant, Retired Honorably.
- Held a Top Secret Security Clearance.
- Awards include Meritorious Service Medal, two Air Force Commendation Medals, five Air Force Good Conduct Medals, and two Professional Military Education Graduate Ribbons.

MEMBERSHIPS

- The Honor Society of Phi Kappa Phi
- Veterans of Foreign Wars
- The American Legion

ACADEMIC GUIDELINES AND PROCEDURES DEVELOPMENT (22)

- Course Academic Review Guidelines and Worksheet
- Course Annual Review Guidelines and Worksheet
- Course Content Development Guidelines
- Course Description Development Guidelines
- Course Development Checklist
- Course Graphics Upload and Use Guidelines
- Course Media Guidelines
- Course Media Inventory Worksheet
- Course Objectives Development Guidelines
- Course Structure Guidelines
- Course Submission Checklist
- Course Syllabus Review Guidelines and Worksheet
- Course Technical Review Guidelines and Worksheet
- Course Textbook Selection Guidelines
- Course Upload Checklist
- Course Video Assignment Guidelines
- Creating Course Videos Methodology
- Extended CEC Course Guidelines
- Instructor and Staff Biography Format Guidelines
- Student Contact Hours Worksheet
- Written Assignment Guidelines
- Written Assignment Grading Rubric

GRADUATE COURSES COMPLETED (194 Semester Hours)**University of Arkansas Little Rock (60 Semester Hours)**

- BINS-5351, Data Analysis and Reporting, 3 Sem Hours
- CSEC-7192, Foundations of Cybersecurity, 3 Sem Hours
- CSEC-7320, Cybersecurity Operations, 3 Sem Hours
- IFSC-5345, Information Visualization, 3 Sem Hours
- IFSC-7360, Data Protection and Privacy, 3 Sem Hours
- IFSC-7192, Graduate Seminar 1, 1 Sem Hour
- IFSC-7192, Graduate Seminar 2, 1 Sem Hour
- IFSC-7192, Graduate Seminar 3, 1 Sem Hour
- IFSC-9600, Doctoral Research / Dissertation, 6 Sem Hours
- IFSC-9700, Doctoral Research / Dissertation, 7 Sem Hours
- IFSC-9700, Doctoral Research / Dissertation, 7 Sem Hours
- IFSC-9700, Doctoral Research / Dissertation, 7 Sem Hours
- IFSC-9700, Doctoral Research / Dissertation, 7 Sem Hours
- IFSC-9800, Doctoral Research / Dissertation, 8 Sem Hours

University of the Cumberlands (55 Semester Hours)

- ISOL-531, Access Control, 3 Sem Hours
- ISOL-532, Telecommunications and Network Security, 3 Sem Hours
- ISOL-533, Information Security and Risk Management, 3 Sem Hours
- ISOL-535, Cryptography, 3 Sem Hours
- ISOL-536, Security Architecture and Design, 3 Sem Hours
- ISOL-631, Operations Security, 3 Sem Hours
- ISOL-632, Business Continuity Planning and Disaster Recovery Planning, 3 Sem Hours
- ISOL-633, Legal Regulations, Compliance, and Investigation, 3 Sem Hours
- ISOL-634, Physical Security, 3 Sem Hours
- ISOL-699, Information Security Project, 1 Sem Hour
- IST-831, Information Technology Importance in Strategic Planning, 3 Sem Hours
- ITS-832, Information Technology in a Global Economy, 3 Sem Hours
- ITS-833, Information Governance, 3 Sem Hours
- ITS-834, Emerging Threats and Countermeasures, 3 Sem Hours
- ITS-835, Enterprise Risk Management, 3 Sem Hours
- ITS-836, Data Science and Big Data Analytics, 3 Sem Hours
- DSRT-734, Inferential Statistics in Decision-Making, 3 Sem Hours
- DSRT-736, Dissertation Seminar, 3 Sem Hours
- LEAS-830, Leadership in Theory and Practice, 3 Sem Hours

University of Missouri (27 Semester Hours)

- ISLT-7310, Mobile Web Applications Development, 3 Sem Hours
- ISLT-7370, Intermediate Web Development, 3 Sem Hours
- ISLT-7361, Introduction to Digital Media, 3 Sem Hours
- ISLT-9471, Instructional Systems Design, 3 Sem Hours
- ISLT-9485, Designing and Implementing Online Courses, 3 Sem Hours
- ISLT-9455, Summative and Formative Evaluation, 3 Sem Hours
- ISLT-9484, Teaching Online Courses, 3 Sem Hours
- ISLT-9467, Technology to Enhance Learning, 3 Sem Hours
- ESCPS-7170, Introduction to Applied Statistics, 3 Sem Hours

Wilmington University (6 Semester Hours)

- IST-7000, Data Management, 3 Sem Hours
- IST-7020, Analysis, Modeling, and Design, 3 Sem Hours

Nova Southeastern University (8 Semester Hours)

- DISS-750, Database Systems, 4 Sem Hours
- DISS-720, Human Computer Interaction, 4 Sem Hours

Eastern Michigan University (6 Semester Hours)

- EM-580, Engineering and Enterprise Integration, 2 Sem Hours
- QUAL-546, Total Quality Management, 2 Sem Hours
- QUAL-552, Quality Planning, 2 Sem Hours

Saint Martin's University (27 Semester Hours)

- MEM-611, Systems Design, 3 Sem Hours
- MEM-612, Systems Controlling, 3 Sem Hours
- MEM-610, Systems Engineering Management and Planning, 3 Sem Hours
- MEM-670, Personnel Administration, 3 Sem Hours
- MBA-606, Marketing Concepts, 3 Sem Hours
- MBA-601, Organizational Theory and Behavior, 3 Sem Hours
- MBA-603, Managerial Accounting, 3 Sem Hours
- MBA-502, Survey of Finance, 3 Sem Hours
- MEM-690, Thesis, 3 Sem Hours

University of Southern California (3 Semester Hours)

- EDCI-530, Seminar in Curriculum and Instruction, 3 Sem Hours

City University (2 Semester Hours)

- MI-513, Information Resource Management, 2 Sem Hours