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### **Education**

Ed.D., Educational Technology – Northwestern State University of Louisiana, 1999.  
M.S., Information Systems – Strayer University, 1998.  
M.S., Electronic Engineering Technology – Northwestern State University of Louisiana, 1969.  
B.S., Electronic Engineering Technology – Northwestern State University of Louisiana, 1968.

### **Summary of Professional Experience**

Thirty-eight years of extensive experience with progressive levels of technical and managerial responsibilities in information systems. Performed a broad spectrum of automation and telecommunications activities to include project management, system engineering, planning, budgeting, development of detailed system requirements and specifications, software development and maintenance, operation of computer and communications systems and facilities, catastrophic failure planning, contract management, management of personnel and fiscal resources, configuration management, network management, communications and computer security, planning and providing training on new equipment and systems, and preparing and presenting briefings to management oversight groups and senior executives.

### **Experience**

**Associate Professor, College of Education, Northwestern State University, Natchitoches, Louisiana. December 2008 – Present.**

**Director of Information Systems. Northwestern State University, Natchitoches, Louisiana. July 2001-December 2008.** Responsible for all aspects of computer and network operations for a regional university with over 10,500 students and approximately 1,000 full-time and part-time faculty and staff using over 600 Personal Computers. The support staff consists of 24 Information Technology professionals. Hardware support consists of approximately 64 servers. The university is comprised of the main campus in Natchitoches and two satellite campuses; one in Shreveport and one in Leesville. Administrative computing support is based on the SCT Plus suite of products that includes the Student Information System, the Financial Aid System, the Human Resource System, the Financial Reporting System, and the Purchasing System. Academic computing support includes the Blackboard Learning System that hosts the largest number of on-line courses in Louisiana and over 1,000 Personal Computers in numerous computer labs distributed across the three campus locations. Specific accomplishments include the following:

- Providing technical management for implementation of the on-line fee payment (credit card) capability.
- Providing technical management for implementation of the on-line purchasing system used for all university purchases.
- Introducing in-house, web-based applications to the university. Two of the more significant systems resulting from this effort include the following:
  - Implementation of the on-line database system used for the Southern Association of Colleges and Schools (SACA) Accreditation Review Project.
  - Implementation of the *myNSU* student portal.
- Developing the Continuity of Operations Plan (Disaster Recovery).
- Developing of the Software Maintenance Manual Documentation Standard.
- Developing of the Functional Description Documentation Standard.
- Implementing major enhancements to the Information Systems Policy and Procedures Manual.
- Developing of the Web Publishing Policy, Style Guide, and Standards.

**Senior Systems Engineer. STATISTICA, Inc., Springfield, Virginia. August 1999 – Present.** This position is a continuation of the position held with ABF Enterprises, Inc. from February 1995 to June 1999. Performed as a Senior Systems Engineer/Senior Systems Analyst for the Global Command and Control System-Army (GCCS-A) as a subcontractor to Lockheed Martin, the prime contractor. The GCCS-A was a \$150 million effort that replaced legacy mainframe and other systems with an open system, client/server architecture and associated networks to support users throughout the world. Served as the primary system engineer for the system infrastructure and common user services. Responsibilities included the review and evaluation of user needs, developing system requirements and use cases, participating in development of the system architecture, and monitoring other projects including the Defense Information Infrastructure Common Operating Environment to ensure maximum reuse of developed applications. Also responsible for preparing the GCCS-A Operational Concept, the System Design Document, the System Management Concept, and coordinating the development of the Computer System Operator's Manuals for NT and UNIX system administration.

**Student. Northwestern State University, Natchitoches, Louisiana. June 1999 – August 1999.** Finalized doctoral dissertation during this period. The title of the dissertation is "The Effects of Requisite Study of Computer-Assisted Instruction Elaborative Feedback on Learning Effectiveness and Efficiency".

**Technology Coordinator. Northwestern State University Middle Lab School, Natchitoches, Louisiana. June 1998 - August 1998.** Performed as a Technology Coordinator for a practicum as part of a doctoral degree program. Accomplishments included establishing a computer laboratory for the purpose of providing students with Internet access using donated equipment. This effort included interconnecting and configuring all computers on a LAN, integrating a CD ROM tower into the LAN, and constructing a bridge to integrate this LAN into the existing school network. Redistributed and reconfigured existing computers within the school to make better use of available resources. This practicum was performed while in a leave without pay status from the position with ABF Enterprises, Inc. shown below.

**Technology Coordinator. Northwestern State University Middle Lab School, Natchitoches, Louisiana. June 1997 - August 1997.** Performed as a Technology Coordinator for a practicum as

part of a doctoral degree program. Accomplishments included developing a baseline configuration of all hardware and network resources to include providing drawings and labeling of all equipment and network cables; performing minor repair of PCs; obtaining excess PCs from another school for reuse; installing network interface cards in PCs and extending the network to classrooms previously without PCs and network connectivity; obtaining donated PCs from a commercial source and identifying necessary upgrades to incorporate them into the inventory; providing assistance and training to teachers and administrators in the use of technology; installing various software packages; and administering a Novell server and network. This practicum was performed while in a leave without pay status from the position with ABF Enterprises, Inc. listed below.

**Senior Systems Engineer. ABF Enterprises, Inc., Springfield, Virginia. February 1995 – June 1999.**

This position was the predecessor to that held with STATISTICA, Inc. from August 1999 to the July 2001. Please refer to the STATISTICA entry above for a description of responsibilities.

**Program Manager. ABF Enterprises, Inc., Alexandria, Virginia. October 1993 – February 1995.**

Served as Program Manager for the Global Command and Control System (GCCS) Status of Resources and Training System (GSORTS) contract. GSORTS is a key Department of Defense command and control system that collects and reports status information for all U.S. military units. The GSORTS contract represented a \$4.8 million effort to provide software development and maintenance, operational support for batch processing of database updates, and technical assistance to the Defense Information Systems Agency Joint Information Service Center. Responsibilities encompassed overall contract performance to include work planning and prioritization, maintaining proper staffing levels and skills, ensuring contract deliverables were provided on schedule and within budget, and providing written and oral reports to the Government. Participated in the preparation of responses to Government Requests for Proposal (RFP). Managed a team of 15 contractor personnel.

**Senior Computer Engineer/Scientist. Science Applications International Corporation. August 1992 – October 1993, Heidelberg, Germany.** Performed overall system engineering and integration planning activities to include management oversight functions for near-term enhancements and new products in support of the Standard Theater Army Command and Control System (STACCS). STACCS was a theater command and control system developed for use by the U.S. Army Europe to support military operations in a combat environment. Specific areas of interest included developing the STACCS Concept of Operations and the Network Management Functional Requirements document for the associated Wide Area Network.

**Chief, Headquarters Support Section, ADP Support Group, Supreme Headquarters Allied Powers Europe (SHAPE), Mons, Belgium. October 1989 – August 1992.** Managed the process for developing system requirements and specifications, preparation of the Request for Proposal, and procurement activities in conjunction with the contracting office leading to contract award and subsequent contract management, and implementation and operation of the \$25 million SHAPE Management Information System. This system featured office automation, database applications, a Fiber Distributed Data Interface (FDDI) backbone, Ethernet Local Area Networks, stringent security safeguards, and a physical network distribution system (ducts and conduit). The implementation of this system was the result of a vision to replace antiquated, stand-alone word processing machines with a networked system of computers coupled with common applications and the ability to easily exchange data to create synergy among the various headquarters elements.

Related responsibilities included supervising a multinational staff of ten military and civilian personnel and representing SHAPE before major North Atlantic Treaty Organization (NATO) committees (Military Budget Committee and the Working Group of National ADP Experts) that conducted fiscal and technical program reviews. Successful performance in the NATO multinational environment involved the ability to forge a consensus among the various representatives to ensure their unique national interests were represented. Planned and implemented a formal training program for over 1,000 system users and obtained out-of-cycle budget funding for construction of a training facility. Also obtained out-of-cycle funding to expand the network distribution system to serve the entire SHAPE headquarters facility that replaced multiple independent distribution systems with a single comprehensive system.

**Communications Systems Engineer. Headquarters, United States European Command. October 1986 – October 1989, Stuttgart, Germany.** Responsible for planning, configuration management, systems engineering and integration of a large command and control complex (eight buildings and approximately 1,200 users) supporting the senior U.S. military headquarters in Europe. This complex included numerous and diverse communications and automation systems. Managed an \$8 million emergency effort to relocate those systems serving the Command Center that was contaminated with asbestos to a temporary facility. This effort required the phased transition of critical systems in a manner that ensured a minimum essential operational capability be sustained at all times. Prepared the necessary program documentation for the United States Commander-in-Chief, Europe Command Center System that was approved by the Joint Staff and resulted in establishment of a \$50 million upgrade program. Prepared the technical documentation (System Functional Requirements Definition) used as the requirements/engineering baseline for this program. This program was a strategic initiative to leverage technology and information systems to modernize and bring about large-scale integration of otherwise disparate systems in support of a vision to dramatically increase the effectiveness and efficiency of the vital command and control mission of this headquarters. This program initiative entailed working with the various and diverse staff elements to obtain, document, and coordinate system requirements and their relative priorities as well as working with various support agencies to obtain specialized technical expertise and cost estimates. Served as a member of a Permissive Action Link team. This duty required hands-on access to various nuclear weapons to verify the accuracy of security codes necessary to unlock weapons for possible employment. Participated in the development of the communications portion of a contingency operation plan in support of a Middle Eastern country. This activity included discussions with senior military staff as well as one-on-one discussions of the Chief of Staff of the Army of the country involved.

**System, Network, and Security Manager and Contracting Officer's Representative (COR). U.S. Army Military Personnel Center, Alexandria, Virginia. July 1983 – October 1986.** Performed the System, Network, and Security Manager and COR functions for the KEYSTONE System that supported the enlistment, reenlistment, reclassification, and reassignment actions of over 500,000 personnel. System manager responsibilities included ensuring satisfactory operation of a contractor provided host mainframe (IMB 3090), identifying system requirements and enhancements, software development and maintenance, user assistance and training, and coordination of external data exchange/interfaces. Responsible for administering a train-the-trainer program for the introduction of new equipment and system functionality provided by this system. Network Manager responsibilities included ensuring the satisfactory operation of a contractor provided network supporting over 3,000 terminals worldwide. Initiated contract requirements that resulted in expanding network access to additional countries and upgrading the level of network service

provided to numerous locations. Security Manager responsibilities included developing the required documentation to obtain system accreditation (authority to operate) from the Department of the Army. COR responsibilities included performing management functions associated with contractor provided services. Managed the successful transition of the KEYSTONE system to another vendor's network and host mainframe. Managed an annual budget of approximately \$30 million.

**Student. Armed Forces Staff College, Norfolk, Virginia. January 1983 – July 1983.** Graduated from the Command and Staff Officer's Course.

**Chief, Computer Operations Division. U.S. Army Intelligence and Security Command, Arlington Hall Station, Virginia. January 1980 - January 1983.** Managed computer operations in support of a major Army command at three geographically separated facilities with mainframes (IBM 4341, IBM 360, and IBM 370), various minicomputers, and communications/networks supporting standard army applications, military intelligence applications, and Intelligence Data Handling Systems Communications (IDHSC) nodes. Responsible for all software development and maintenance at one of the three sites. Initiated and implemented major system upgrades at each facility. Personally developed a comprehensive data transfer (mainframe-to-mainframe) system (written in assembler language) within the Worldwide Military Command and Control System (WWMCCS) environment. Features included disk-to-disk, tape-to-tape, data compression, checkpoint/restart, status monitoring and display, automatic initiation of local and/or remote batch processes following successful completion of a data transfer. Served as the Program Manager during the initial program development phase for the Army Threat and Intelligence Production System (ATIPS). The ATIPS was developed as the Army's primary automated system for evaluating intelligence pertaining to hostile threats and disseminating this information to the appropriate organizations. Managed over 100 military and civilian personnel.

**Chief, Transmission Systems Branch. 5th Signal Command, Worms, Germany. September 1978 – January 1980.** Performed management oversight of Congressionally mandated communications systems of HF, satellite, and microwave that comprised the Theater Nuclear Forces Command and Control Communications System that was required to maintain positive control of tactical theater nuclear weapons. These communications systems were operated and maintained by multiple U.S. Army units and were employed in multiple North Atlantic Treaty Organization (NATO) member nations. Represented the U.S. Army Europe in planning for the upgrade of these systems with state-of-the-art satellite and High Frequency (HF) radio systems. This included implementation planning for a satellite communications system consisting of over 100 nodes in multiple NATO member nations and participating in the development of specifications for a state-of-the-art HF radio communications system that featured spread-spectrum technology to serve as an alternate means of communication necessary to maintain positive control of nuclear weapons.

**Operations Officer. Defense Communications Agency - Command and Control Technical Center. March 1975 - September 1978, Washington, DC.** Responsibilities included ensuring continuous operational Worldwide Military Command and Control System (WWMCCS) support to the Joint Staff from a primary and an alternate location. The WWMCCS was the primary command and control system for the Department of Defense (DoD). Specific objectives included ensuring maximum system availability and timely processing of critical batch applications to provide military and civilian leaders at the highest levels with the status of U.S. military forces and associated resources and the means of planning and directing worldwide military operations. The two operational facilities were equipped with large mainframes (a total of six Honeywell 6000's and an

IBM 360), various minicomputers, remote terminals, and supporting communications networks. This was a dynamic environment that required read-time coordination and decision making with a variety DoD agencies and support activities. Supervised 30 military and civilian personnel.

**Sector Supervisor/Detachment Commander. U.S. Army Communications Command – Thailand. March 1974 - March 1975.** Served as the Contracting Officer's Representative for a major portion of a large integrated communications systems consisting of tropospheric scatter, microwave, and dial central offices that were operated and maintained by 70 contractor personnel. Served as a Detachment Commander with responsibility for the operation and maintenance of two geographically separated ground satellite stations manned by approximately 100 military personnel. Supervised an additional 25 U.S. military personnel and 250 members of the Royal Thai Security Regiment providing physical security at five remote communications facilities.

**Student. U.S. Army Signal School, FT Gordon, Georgia. July 1973 – March 1974.** Graduated from the U.S. Army Signal Officer's Advanced Course.

**Instructor. U.S. Army Signal School, FT Gordon, Georgia. March 1973 – July 1973.** Provided formal classroom instruction in FORTRAN programming to students in the Signal Officer's Advanced Course.

**Logistics Officer. 1st Aviation Brigade, Saigon, Vietnam. March 1972 – March 1973.** Responsible for the supply of all helicopter repair parts to the Vietnamese Air Force (VNAF) and common item repair parts for all fixed-wing aircraft. The helicopter fleet was comprised of approximately 1,000 aircraft. This responsibility included the processing of requisitions, receipt, storage, and distribution functions supported by an automated logistics system. Coordinated the transition of logistical support for the VNAF from a depot in Vietnam to a depot in Okinawa during the Vietnam cease-fire and withdrawal. This included the transfer of approximately \$7 million in repair parts to the VNAF to ensure continued support of combat operations during the transition. Organized the expeditious retrograde of over 20,000 line items (over 500,000 cubic feet) of aviation repair parts by commercial and military transportation. Supervised over 100 U.S. military and Vietnamese personnel. Departed Vietnam on the next to the last flight out of the country on the last day of the withdrawal of forces from Vietnam.

**Automatic Data Processing Plans and Operations Officer. U.S. Army Computer Systems Command, FT Hood, Texas. June 1970 – March 1972.** Served as a project officer for the Tactical Operations System (TOS). The TOS was an early effort to provide mobile computers and remote teleprocessing in a battlefield environment. Responsible for developing system requirements, system testing, performing database management, providing user training, and programming in FORTRAN.

**Automatic Data Processing Plans and Operations Officer. U.S. Army Computer Systems Command, FT Belvoir, Virginia. August 1969 – June 1970.** Served as a project officer for several automation projects supporting personnel and communications management.

**Student. U.S. Army Signal School, FT Gordon, Georgia. June 1969 - August 1969.** Graduated from the U.S. Army Signal Officer's Basic Course.

**Graduate Assistant. Northwestern State University. September 1968 – May 1969.** Provided formal classroom instruction to students in Electronic Engineering Technology.

## **Military Awards**

- 1992 Defense Superior Service Medal
- 1989 Defense Meritorious Service Medal
- 1986 U.S. Army Meritorious Service Medal
- 1985 U.S. Army Meritorious Service Medal
- 1984 U.S. Army Commendation Medal
- 1983 U.S. Army Meritorious Service Medal
- 1980 U.S. Army Meritorious Service Medal
- 1978 Joint Service Commendation Medal
- 1975 Royal Thai Supreme Command Headquarters (Forward) Badge (1st Class)
- 1973 Bronze Star
- 1973 Vietnamese Armed Forces Honor Medal (1<sup>st</sup> Class)
- 1973 U.S. Army Commendation Medal
- 1972 U.S. Army Commendation Medal