

GEORGE C. BLANKENSHIP

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PROFESSIONAL EXPERIENCE

GBlankenship Consulting (Independent consulting)

2003 - present

The major focus of my consulting has been the development of the technical requirements, integration plan documents, and testing tools for the integration of procured systems supporting home health care with a large hospital system distributed over a national geography. The communication between the procured systems and existing hospital network is based upon international health messaging standards. Special testing tools were, and are, required for the validation. The tool set has been used for 18 procured systems and multiple system upgrades; the tool set is scheduled to be used for the next procurement. The tool set is also used to monitor the availability of operational systems in the distributed network. Future plans indicate that the tool set will be enhanced to support new network capabilities.

SAIC

2000 – 2003

Key activities included the development of system monitoring tools, the design of distributed systems and security analysis.

Unisys (Sperry/UNIVAC) Corporation

1968 – 2000

Key activities were generally focused on the transmission of data between systems. My career started with the testing of the readiness for use of telemetry systems supporting the Apollo Moon Landing program and the development of the processing for the data sent from the astronauts' space suits during a lunar EVA. I supported all the manned Apollo missions (Apollo 7 through Apollo 13). For the Skylab program (a manned orbiting laboratory), the challenge was to restructure the method of sending data to the Manned Spacecraft Center (MSC). I developed the data compression algorithm and the telemetry system's communication message encoding for data sent to MSC. I supported all the Skylab missions. I have been involved in a number of distributed processing design and development efforts. The more interesting ones were the reverse engineering of an international weather collection system in preparation for a system upgrade, a system that collected nationwide mortgage payment reports, a system that collected nationwide citizen information, and the membership on various corporate communication planning committees, ISO protocol (GOSIP) deployments, and Internet (TCP/IP) direction committees.

ACADEMIC EXPERIENCE

George Washington University, Washington, DC

1999 – Present

I started teaching undergraduate a computer science protocol class. I now teach graduate computer science courses on a variety of subjects, including system design, computer architecture and networking protocols and special computer science lectures to medical students. ([HTTP://GWU.GBlankenship.us](http://GWU.GBlankenship.us))

Marymount University, Arlington, VA

1998 – 2004

I taught a diverse array of undergraduate and graduate courses in programming, operating systems, networking, and system architecture.

EDUCATION / TRAINING

Georgetown University (Mathematics)
Marymount University (Computer Science)
George Washington University (Computer Science)

PROFESSIONAL CERTIFICATIONS:

Certified Information Systems Security Professional (CISSP)

PROFESSIONAL AFFILIATIONS:

Association of Computer Manufacturers ACM ♦ Institute of Electrical and Electronics Engineers (IEEE)
International Information Systems Security Certification Consortium (ISC)²

PUBLICATIONS AND LECTURES

Lectures:

Home Telehealth Program, 2005–(present)

Department of Veterans Affairs conferences

The Integration of Home Collected Data into the Veterans Administration System (EHR)

George C. Blankenship, Jr., Chief Architect and Daniel L. Maloney, IT Program Manager

American Telemedicine Association (ATA), 2012

National Defense University on Government Open Systems Interconnection Profile (GOSIP) and Open System Interconnect (OSI) protocols, 1990

Unisys (Sperry) user group conferences -- communication standards and technology, 1985–1988

Publications:

George C. Blankenship, Jr.

Various documents only available within the Department of Veterans Affairs

George C. Blankenship, Jr. and Daniel L. Maloney, "The Integration of Home Collected Data into the Veterans Administration Health System," The Second International Conference on Advanced Collaborative Networks, Systems and Applications, COLLA 2012

Sanan Srakaew, Nikitas A. Alexandridis, Punpiti Piamsa-nga, and George Blankenship, "Content-based Multimedia Data Retrieval on Heterogeneous System Environment," International Conference on Intelligent Systems (ICIS-99), Denver, Colorado, June 24-26, 1999.

Punpiti Piamsa-nga, S. R. Subramanya, Nikitas A. Alexandridis, Sanan Srakaew, and George Blankenship, "In-clip Search Algorithms for Content-based Multimedia Retrieval," 3rd International Conference on Computational Intelligence and Multimedia Applications (ICCIMA-99), New Delhi, India, September 23-26, 1999.

Punpiti Piamsa-nga, S. R. Subramanya, Nikitas A. Alexandridis, Sanan Srakaew, and George Blankenship, "In-picture Search Algorithm for Content-based Image Retrieval," IEEE Int'l Conf. on Image Processing (ICIP-99), Kobe, Japan, October 24-28, 1999.