

Steve William Sones

ssones@nmt.edu

OBJECTIVE

I am a U.S. citizen seeking a position in computer security and information assurance. My goal is to help a government organization develop, implement, and manage its computer and network security. My strong interest in this field stems from job experience and course work geared toward the Scholarship for Service (SFS) program to become part of America's Cyber Corp.

PERSONAL

Contact Information:

809 E. Nations St.
Alpine, TX 79830
(505) 418-8087

Clearance: DoE - L

EDUCATION

Master of Science in Computer Science Information Technology Option

Completed all Requirements on September 9, 2005

New Mexico Tech
Socorro, NM 87801

Emphasis is on Computer Security and Information Assurance. Coauthored paper titled Launching Coordinated Distributed Multiple Attacks (A Proactive Approach to Cyber Defense) submitted to MILCOM 2005.

Completed courses are Information Assurance, Digital Forensics, Advances in Info Security, SFS Professional Development, Legal, Ethical, & Social Issues in Information Technology, Intro to Soft Computing, Advances in Data Management, Principals of Programming Languages, Design & Analysis of Algorithms, Computer Architecture, Graduate Seminar (presented on real-time systems), and Independent Study which involved an oral defense of a paper on security in Grid Computing with complex technical results.

Bachelor of Science in Computer Science Minor in Business Administration

Graduated in December 1999

Sul Ross State University
Alpine, TX 79832

Emphasis was placed on programming such as in C/C++, Delphi, Java, JavaScript, HTML, Visual Basic, and Perl & CGI. Other courses included Advanced Database Systems, Structured Analysis and Design, Computer Communications, Management Information Systems, Computer Communications with Windows NT, and the Senior Project, which involved a demonstration and oral defense of a paper written in ACM style.

EMPLOYMENT

Student Technical Internship

Sandia National Labs

P.O. Box 5800, Mail Stop 1372
Albuquerque, New Mexico 87185

June 1, 2004 – August 19, 2004

Supervisor: Robert L. Hutchinson

Supervisor's work phone number: (505) 844-4131

Designed and implemented with a partner a use-control research project in which software applications could be installed for running only on certain machines using multiple hardware signature keys. Designing involved using a taxonomy tree. Implementation on the Windows platform was handled with Perl. Presented along with partner complex technical project results

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Continuation of EMPLOYMENT

to management and technical staff at the end of the summer. Applying new developments to previously unsolvable problems are one of the things that are done almost on a daily basis at the Cyber Corp Defenders (CCD) program where I interned. Paperwork was initiated for DoE security clearance during 2004 and is active for part of 2005.

Systems Support Specialist

Sul Ross State University

400 N. Harrison
Alpine, Texas 79832

March 1, 2001 – August 31, 2002

Supervisor: Mary Anne Vaughn (retired)

Supervisor's home phone number: (432) 837-2664

Provided and completed software maintenance and support for the campus-wide Student Information System (SIS) by modifying COBOL code and by using AIX, CICS, and DB2 commands on an IBM RISC6000 midrange machine. Note that my supervisor and I were the sole system security administrators of this mission-critical system connected to a campus-wide multi-user computing environment; therefore, we handled computer security incidents with the system. Supported the additional security of DCE authentication. Provided software maintenance and support to Web for Students (WFS) and Web for Faculty (WFF) by applying updates and/or upgrades to HTML and JavaScript code on web servers.

Administrative Technician

Texas Department of Transportation

2400 N. Highway 118
Alpine, Texas 79830-2053

March 1, 1996 – February 28, 2001

Supervisor: Thomas R. Mangrem, P.E.

Supervisor's work phone number: (432) 837-3391

Provided support to resolve user computer problems in a help desk environment. Performed hardware and software installation and configuration on NT 4.0 Workstations connected in a LAN and to a statewide Intranet. Worked and coordinated not only with the engineers in a team environment, but also with other technical specialists within the IT Department located at the district office by providing expert technical inputs. Explained complex technical requirements to non-technical people throughout the local office.

VOLUNTEER WORK

Library Volunteer

Jeff Davis County Library

P. O. Box 1054
Ft. Davis, Texas 79734

1994 – Present

Librarians: Toi Fisher (current)

Carol Wolkow (former)

(432) 426-3802

Handled all of the client/server software and hardware installation and maintenance including patching/updating and security. Established database containing over 19,000 items. Ordered, installed, and configured the server and several client machines purchased with grant funds. Worked and coordinated with the librarian, former Jeff Davis County Library Board, and The Friends of Jeff Davis County Library. Communicated complex technical requirements to non-technical personnel. As a result of volunteering not only as the main technical support staff person but also as a board member, I have been involved in developing and interpreting policies, procedures, and strategies covering the planning and delivery of information technical services at the library. Beginning in 2003, I have been paid an hourly wage for some of my services.

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HONORS, AWARDS, and CERTIFICATES

<i>New Mexico Tech</i>	National Training Standard for Information Systems Security Professionals NSTISSI-4011	September 9, 2005
	National Information Assurance Training Standard for Senior Systems Managers CNSSI-4012 (supersedes NSTISSI No. 4012)	September 9, 2005
	Scholarship for Service (SFS)	August 27, 2003 – Present
<i>Sul Ross State Univ.</i>	Summa Cum Laude honors	December 18, 1999
	Highest ranked senior student awarded by Alpha Chi	April 14, 1999
	Who's Who among Students in American Universities & Colleges	1998-1999
	Nat'l. Dean's List	1998-1999
	Highest ranked senior student awarded by Alpha Chi	April 29, 1998
	Who's Who among Students in American Universities & Colleges	1997-1998
	Nat'l. Dean's List	1994-1997

REFERENCES

Dr. Lorie M. Liebrock liebrock@cs.nmt.edu	Assistant Professor in Dept. of Computer Science New Mexico Institute of Mining and Technology	(505) 835-6729 Socorro, NM 87801
Elbert F. Bassham ebassham@sulross.edu	Director of Institutional Research and Effectiveness Sul Ross State University (SRSU)	(432) 837-8051 Alpine, TX 79832
Will Bachman wbac054@yahoo.com	234 El Cerro Loop	(505) 866-5653 Los Lunas, NM 87031
