

# Brian Allen

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## **Education**

Masters in Software Engineering  
University of Alabama in Huntsville, 2003

Bachelors in Electrical Engineering  
University of Alabama in Huntsville, 1991

## **Security Clearance**

Top Secret

## **Experience**

### ***Senior Systems Engineer, Allen Research Corporation***

May 1998 - Present

Leading the development of the software systems for the Ground-based Midcourse Defense (GMD) Test Control System (TCS). Developed the software requirement flow downs from the top-level system requirements. Developed functional flow diagrams for the detail functional design of the TCS. Develop briefings for GMD executive management to present items such as decision briefs, fault analysis, and capability overviews. Upgraded Meck Island flight test control room at Reagan Test Site located in the Kwajalein Atoll. Designed initial concept of the Test, Training, and Exercise Capability (TTEC) for the National Missile Defense (NMD) System. Developed the initial system requirements document (SRD) for TTEC within NMD's SRD. Consulted with NMD end users to capture training and test requirements for TTEC. Coordinated the TTEC schedules with other program organizations within NMD. Developed and presented the TTEC concept design to customer and executive program management. Instructed new team members on system design and concept. Assisted with the development of the System Integration Laboratory (SIL) for the integration of NMD components.

### ***Computer Specialist, CST***

August 1997 - May 1998

Developed Internet migration approaches for government logistic legacy systems. Consulted to government functional and technical teams on methods for Internet migration. Directed programming staff on implementation methods for system conversion. Developed user interface for WWW access using HTML with JAVA back-end for data preprocessing, management, and retrieval. Directed system maintenance activities as related to the Internet.

***Computer Specialist, Systems Engineering Solutions, Inc.***

April 1997 - August 1997

Developed concept for transitioning government logistic legacy systems to the WWW including approach and user interfaces. Directed programming staff on implementation methods for system conversion. (This task transferred to and continued with CST.)

***Media Group Manager, Quality Research***

October 1994 - March 1997

Developed computer based training for Verification, Validation and Accreditation (VV&A) courseware. Initiated complete overhaul of corporate computer infrastructure including migration from single site Apple™ LocalTalk to multi-site multi-platform Ethernet, established Internet access, and setup web and email services.

***Product Representative, Apple Computer - ADIA***

February 1994 - July 1996

Responsible for servicing 10-consumer channel stores in the north Alabama area. Visited monthly to maintain computer demonstration systems and review store setup and perform unit maintenance. Provided product training to retail management and sales staff to improve product marketability. Facilitated market research through event tracking and reporting. Performed the weekly demonstrations during promotional periods.

***Engineer, JAYCOR***

May 1990 - September 1994

Lead engineer in developing, planning, and managing of software development projects including multimedia applications, video productions, and system simulations. Designed, installed, and managed computer network and performed computer software, hardware, and network technical support for on-site and off-site locations.

***Associate Engineer, Allen Research Corporation***

September 1986 - May 1990

Developed computer animations integrating video, sound, and simulation data depicting military system operations. Developed information system integrating models, simulations, and program data for the various NASA projects. Performed computer software, hardware, and network technical support for on-site and off-site locations.