Houston
ASSOCIATES

Positions Reports to: Network/Project Operations Manager or Director of Operations	**Position Classification:** Exempt
Positions Reporting to this Position: None	**Date Updated:** March 1998

POSITION SUMMARY: Assists in the development, integration and maintenance of Local Area and Wide Area Network software in support of customer operations. Uses software tools for disk writing; develops utilities and subroutines to augment network management functions. Make software revisions to upgrade files and directories. Applies diagnostic techniques to debug software programs; integrates router software and hardware.

RESPONSIBILITIES:
- Initiates map generation process from shell scripts to automatically collect node identification information from the functional elements of customer requirements.
- Assists in Beta Field Testing of router software.   Uses tools to analyze source code written in UNIX and C, and reviews documentation to determine if the software performs as advertised.
- Develops software utilities and additional subroutines to optimize the effectiveness of network management software.
- Masters the use of software update programs, disk scripts (load command, file structure, etc.) and labeling interfaces.
- Assists in the upgrade of system components such as EEPROMS and disk drives. Uses software diagnostic routines when required.
- Maintains and provides Shared Map Planning (SMP) and Video Team (VT) electronically to customer locations and assists user sites in the receipt, test and use of SMP and VT.
- Builds, maintains and updates router and customer server databases in support day-to-day network operations.
- Develops and deploys Gateway/Initial Security Host (ISH), Pocket Video Processor (PVP) and Network Encryption System (NES) configurations to customer equipment suites located throughout the network.
- Uses Software Upgrade Protocol (SUP) to upgrade collections of files at customer locations using Transmission Control Protocol/Internet Protocol (TCP/IP).

QUALIFICATIONS and EXPERIENCE:
- **Os : Languages : Software**
  - UNIX -SUN OS/SOLARIS : Bourne/C shell scripting, TCL/TK, Expect, C/C++ :

Remedy, SA procedures.
- DOS -WIN 95 : C/C++, Visual Basic, Basic, FORTRAN, Access, SQL, various proprietary scripting languages, assembly languages : Numerous engineering, analysis, simulation/emulation, IDE/compiler-interpreter, CAD, numerical control/CAM, graphics, mathematics, office software pkgs.
- INTERNET : Netscape, MS Internet Explorer : Java, HTML, Frontpage 97.
- Common network communication protocols, military 1553 bus, GPIB bus programming.

- **Hardware**
  - Experienced in the design of ; microprocessor-controlled circuits for data communication/processing, signal conditioning/data acquisition, digital signal processing, mux/demux, ADC/DAC, system control, motion control, interface, remote sensing/security, communication and sensing pulse lasers and low noise detectors, HF, VHF, UHF radios for voice and data communications.
  - Knowledgeable in propagation characteristics through different mediums from high speed data lines to atmospheric radio waves.
  - Experienced in the use of development systems and test equipment.

EDUCATION:
- B.Sc. Computer Based Information Systems. Park College Degree Completion Program, expected completion 5/98.
- Avionics Communications Specialist Cert.,Community College of the Air Force. 34 cr. Hours.
- General Studies/Mathematics, Longview Community College. 18 cr. Hours

EMPLOYMENT HISTORY:
- 5/98 – Present: Houston Associates Inc.,Software Specialist
  - Created software and administrated database for the Network Encryption System for the Defense Simulation Internet (DSI, a global military/DOD Internet System).
  - Created software and administrated database for BBN T20 router configuration system for the DSI.
  - Handled customer service and troubleshooting of configuration and software related problems at customer sites and network nodes.
  - Administrated Sun Microsystems LAN/WAN. Developed various application and utility software.

- 5/95 - 11/95: Software Synergy Inc., Consulting Analyst
- 1/89 - 5/95: Computer Science Corp., Systems Engineer
- 1986 – 1988: Bendix/King Avionics, Engineering Technician, Military Avionics Section
- 1986: White Industries, Avionics Technician
- 1981 – 1985: United States Air Force, Avionics Communications Specialist

Warren Peak
Title
SOFTWARE SPECIALIST
Mid West Regional Office