

A. G. (Gil) Carrick

PERSONAL DATA :

1012 Portofino Dr., Arlington, TX 76012, 817-994-9213 (cell)

Male; Married with 3 children; Born Abilene, TX; Health excellent; Prior Secret security clearance

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SUMMARY :

A broad range of jobs in information processing with a wide variety of organizations gives me an invaluable perspective on the industry. A rare combination of imagination, technical ability and skills in personal relationships and communication allow me to make a substantial contribution to any enterprise by working successfully with peers, supervisors, and subordinates.

My software company was successful until the manufacturer of the hardware we specialized in announced discontinuance of the hardware. After a decade in the computer networking business, I reentered the software field and subsequently elected to teach at the University level.

I retired from full time teaching in the fall of 2007 and am now available for part time or short term assignments.

EDUCATION and CERTIFICATION :

Graduate study:

Univ. of Texas at Arlington - Master of Science in Computer Science, May 2000..

Univ. of Texas Grad. School of Public Health - Biostatistics, 1972.

Undergraduate:

Univ. of Houston, 1970, B.S., Electronics Technology.

Novell Certified NetWare Engineer, July 1992. Release 4 upgrade 1997.

Numerous vendor certifications from Bay, Cisco, IBM, 3Com, FORE Systems, Network General, etc. List available on request.

EMPLOYMENT :

University of Texas at Arlington; Arlington, TX. Aug 2007 to June 2008.

Instructor – Teach various short courses in the Division for Enterprise Development. Mostly these are about Operating Systems, Networking and personal productivity tools.

University of Texas at Arlington; Arlington, TX. Jan 2001 to Aug 2007.

Lecturer – Taught undergraduate and graduate courses in the Department of Computer Science and Engineering. Courses taught included Operating Systems I and II and Networking I. Also supervised the development and maintenance of the department web site and supervised the development of the department intercollegiate computer programming team. Currently writing a textbook for Operating Systems. Also teach in the Department of Continuing Education.

WorkSoft, Inc.; Arlington, TX. August 2000 to Jan 2001.

Senior Software Engineer - Worked with this software development firm to enhance their portfolio of software testing tools. Reviewed and revised documentation, developed new applications and did debugging and enhancements on existing product line. Converted SQL Queries from MS-Access to Oracle. Mostly VB with MS Access using Active-X, COM, DAO and ADO.

CareMaster, Inc.; Dallas, TX. February 1999 to July 2000.

Senior Development and Network Manager – Worked with this software/service firm to develop applications related to their core business of clearing insurance claims for physicians' offices. New project used VB 5/6, DAO and RDO, Access '97, SQL Server 6.5, NT 4.0, MS-IIS 4. Also responsible for web site development with HTML and both server side (CGI) and client side programs for validation and capture of customer transactions using JavaScript and VB.

Technical Decisions, Inc; Dallas, TX. May 1998 to January 1999.

Senior Network Engineer - Contract position with a major outsourcing firm in Dallas. Part of New Business Engineering group. Design network required to support outsourcing of mainframe, midrange and client/server systems from customer site to firm facilities. Mostly using Cisco routers, Bay hubs, Racal CSU/DSU's, and IBM Mainframe and midrange systems. Respond to formal RFP/RFQ's as well as to internally generated customer support requests for new capabilities for existing customers. Contact carriers for circuit quotes for leased lines and Frame Relay or ATM circuits. Create business models with Excel & draw proposed network designs with Visio.

Anixter, Inc.; Lewisville, TX. February 1996 to May 1998.

Senior Systems Engineer presales network engineering support with emphasis on switching products, both frame based and cell based (ATM) and network layer 2 and 3 for this reseller of products from 3Com, Ascend, ATT, Bay Networks, Cisco, DEC, FORE, IBM, Interphase, SMC, and many others. Worked with customers on network design, helped train their staff, install new demo equipment, stage and run benchmark tests, etc. Certified on products from several of these vendors.

Efficient Networks, Inc.; Dallas, TX. May '95 to January 1996.

Member of Technical Staff - pre- and post-sales support for OEM sales channel for ATM Network adapters for SBus, PCI & EISA based systems. Supported installation, configuration and development on SunOS, Solaris, NetWare servers, Windows NT, Windows '95, and Windows for Workgroups with ATM software. Worked with switches and edge routers from Fore, NEC, Cisco, Bay Networks, CrossComm, NetEdge, Newbridge, GDC, DEC and Chipcom. Worked with both PVC's and SVC's, including ILMI and UNI 3.0 & 3.1 signaling and LAN Emulation Clients & Servers.

CrossComm Corp.; Dallas, TX. August '92 to May '95. (Now Olicom)

Network System Engineer - presale support for Bridge/Router/Switching products. Network design consulting, technical sales presentations, equipment configuration & installation, management software training & installation. Heavy Token Ring/Source Routing & SNA (SDLC & LLC). Also supported transparent bridging, translational bridging, Ethernet, WAN's (X.25, Frame Relay, ISDN, V.35-& T1/E1), IPX, TCP/IP(RIP & OSPF), SNMP, SDLC/LLC2 conversion, LAN (Net) Manager, H.P Openview, UNIX/AIX. Protocol stacks: NDIS, IPX/ODI/ODINSUP, Packet Driver, and NetBIOS. Also developed utility programs for other NSE's in Visual Basic & C++.

Texas Computer Sales; Hurst, TX. September '91 to August '92.

Partner in startup network service. Sell, design, install, troubleshoot, and maintain networks, and install workstations and application software. Network Operating Systems include Novell, NetWare Lite, Lantastic, MainLan, Alloy and LanStep. Hardware and protocols involved include Ethernet, 802.3, Token-Ring (802.5), ARCNET, TCP/IP and IPX/SPX. Media include Coax, STP and UTP, both daisy chained and star wired with active and passive hubs.

Andrew Network Products; Dallas, TX. January '90 to May '91.

Regional Systems Engineer, supported IBM compatible Token-Ring (802.5) hardware such as NIC's, repeaters, MAU's, bridges, mainframe and midrange gateways and media converters. Involved in pre and post installation, including sales presentations, product training, and troubleshooting, including working with Sniffer protocol analyzers and data scopes. Customers ranged from ten user networks to Fortune 500 companies with literally thousands of workstations. Also supported protocol converters, emulation cards, and wiring products, typically connected to IBM mainframe or midrange systems (AS/400, S/3X using PC Support) or to UNIX systems.

Medical Systems Support Inc.; Lewisville, TX., October '87 to January '90.

\$35 M plus service firm with over 170 technicians throughout U.S. As **MIS Manager** with a staff of four, managed downsizing/migration from minicomputers to a Novell LAN with four file servers and 75 AT clone workstations. Used DataFlex 4GL with BASIC for Asynchronous (RS-232) communication data collection from portable workstations. Also used other LAN/WAN products: broadband Ethernet and coax ARCNET cabling with internal IPX routers; outbound asynchronous communication gateway; remote access software for remote network administration; & a Sytek/Hughes broadband network for local RS-232 communication.

Legist Automation, Inc.; Arlington, TX., November '80 to October '87.

Owner and President of Legist Automation - specialized in consulting and packaged software for Motorola Computer Systems (formerly Four-Phase Systems, Inc.) Created and sold a multi-user spelling checker, a spreadsheet package, and several multiline asynchronous terminal emulators. Most programming involved interactive COBOL and ASM. Involved in many other communication consulting projects such as 3780/EDI and PC remote terminal emulation for the Four-Phase system.

JABEND, Corp.; Seattle, WA, June 1979 to November 1980.

V.P. of Systems for startup systems house that used Four-Phase hardware in a system for commercial insurance brokers. Supervised three programmers and one operator.

Four-Phase Systems; Cupertino, CA; November '72 to June '79. (Now Motorola).

April '76 to June '79 **Software Development Manager** - Supervised up to 25 people in development, testing, and maintenance for all compilers, word processing, and data base management software.

Nov. '72 to April. '76 **Systems Engineer**, Houston, TX, and Staff Systems Engineer, corporate marketing; responsible for marketing support of custom and on-line applications, assisting users with analysis, coding, debugging and performance tuning, reviewing new software and publications, and teaching new Systems Engineers.

Prior Experience; Houston, TX; January '65 to November '72.

Programmer/Analyst at several different concerns, including Texas Institute for Rehabilitation and Research, MITRE Corporation (for NASA), and Baylor University College of Medicine.

INTERESTS :

Walking, a cappella chorus singing and reading, mostly technical material and science fiction

PUBLICATIONS :

Carrick, A. G.; "*Constraint Analysis and Scheduling System (CASS): General Description*"; MTR-1527, vol. 1, September 1970, 36 pp.; MITRE Corp., Bedford, MA

James, D. L., Carrick, A. G., et al; "*CASS: Technical Description of the CASS Data Management System*"; MTR-1527, vol. 3, September 1970, 214 pp.; MITRE Corp., Bedford, MA

Patrick, F. E., James, D. L., Carrick, A. G.; "*CASS: User's Guide for the ASPIRE System*"; MTR-1527, vol. 4, September 1970, 156 pp.; MITRE Corp., Bedford, MA

Carrick, A. G.; "*Review of 'The TABLON Mass Storage Network'*"; Computing Reviews, January, 1972.

Cornell, S. A. and Carrick, A. G.; "*Computerized Schedules & Care Plans*"; Nursing Outlook, vol. 21, no 12, December, 1973, pp. 781-784.

Sitton, G. A., Kendrick, T. E., and Carrick, A. G.; "*The PL/EXUS Language and Virtual Machine*"; SIGPLAN Notices, vol. 8, no 11, 1973, pp. 124-130.

Ruby, James B. and Carrick, A. G.; "*An Approach to Providing a Relational Query Processor for a Limited CODASYL DBMS*"; Third Annual Joint U.S.A./Japan Computer Conference, 1978.

Carrick, A. G.; "What's Up with ATM 25.6"; ATM Network Planners Association; November 1996.

Technical Editor for "*Wide Area High-speed Networks*" by Dr. Sidney Feit; McMillan and Co., 1999.

Carrick, A. G.; "Automating Improvement in Document Readability"; Master's Thesis, Univ. of Texas At Arlington, Dec. 1999.

Technical Editor for "*Local Area High-speed Networks*" by Dr. Sidney Feit; McMillan and Co., 2000.

Elmasri, Ramez, Carrick, A. Gil., Levine, David; "Operating Systems: A Spiral Approach", McGraw-Hill, Feb. 2009, New York, NY.