Chris A. Caudle

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Experience:

Systems design utilizing embedded processors
Embedded and modular SDRAM (SDRAM, DDR, DDR2, DDR3)
Integration of protocol ASIC's (Fibre Channel, parallel SCSI, Serial Attached SCSI, Ethernet)
Co-debug of hardware and firmware Windows and Linux environments

Employment

1997–present

Electrical Design Engineer
Hewlett-Packard Company, Houston, Texas
Electrical hardware engineer in StorageWorks Division (formerly Compaq Storage Products Division, formerly Compaq Enterprise Storage and Options Division).
Designed Ultra320 SCSI RAID controller (Smart Array 641/642).
Assisted server design teams in integrating U320 RAID controller design into Proliant server motherboard designs.
Participated as member of design team for MSA500/MSA1000 Fibre Channel/SCSI storage system; principal hardware engineer of array controller in that system which held 48% market share at peak and shipped for 8 years.
Designed backplane and performed system debug for alternative chassis for Compaq Fibre Channel Storage System (unreleased). Performed signal integrity analysis of SCSI on back plane and failure detection circuitry for cooling system.

1995–1997

Systems Software Engineer
Compaq Computer Corporation, Houston, Texas
Software developer for "Microsoft Windows NT from Compaq," custom OS installer shipped with Compaq SmartStart installation and integration tool. Utilized C and some C++ to implement a tool which integrated custom Compaq drivers into the Windows Server installation without requiring customer intervention.
Implemented installation utilities for Windows Server in C and C++.
Utilized Microsoft internal development tools to modify and rebuild Windows NT 3.51 setup code to enable customized installations.
Localized (i.e. designed for easy translation) code shipped in five European languages and Japanese.

1994 June–1994 Dec

Systems Engineer, Quality Assurance
Compaq Computer Corporation, Houston, Texas
Performed quality assurance testing for "Novell NetWare from Compaq" shipped with Compaq SmartStart installation and integration tool.
Confirmed integration of custom installation software with new hardware.

Assisted driver and hardware developers in troubleshooting driver installation problems. Assisted developers in prototyping new software (resulting in transfer to development group at the end of the year).

1993 Summer

intern, Quality Assurance
Compaq Computer Corporation, Houston, Texas
Performed compatibility testing of new hardware in a UNIX environment as a summer intern.
Utilized UNIX (SCO SVR4), X windowing system, UNIX shell scripts, and software test packages in determining compatibility of new hardware with existing hardware and software.

Education

1990–1994   **Rice University, Houston, Texas**
Bachelor of Science in Electrical Engineering, minor in Music Studies. Emphasis on circuits/systems. Course work included digital and analog circuit design, communication systems, linear systems theory, computer architecture.

1992-1993   *KTRU, 91.7 FM, Rice University Radio, Houston, Texas*
Chief Studio Engineer: Selected as studio engineer for the university's student operated 50,000 Watt FM radio station. Maintained studio electronics, made and oversaw purchasing decisions for studio upgrades.