

Kent Polkinghorne

(303) 786-0490

Education:

Bachelor of Science in Computer Science, University of Colorado, 2002; Cum. GPA: 3.27

Courses included: Network Systems, Databases, Operating Systems, Programming Languages, and Digital Logic.

As part of my software engineering project I lead a team of four students to develop a C program for a government client (NIST). Our team established specifications with the client, designed and implemented prototype and final programs, and worked with the client to resolve post-delivery changes/bugs. This program allows easy calculation of radio spectrum usage to minimize transmitter interferences. Created and made several presentations using Microsoft PowerPoint.

Experience:

University of Colorado - NEES, October 2007-present

Resolved tape library hardware incompatibility issues, set up better security logging, set up Samba for remote file access with Red Hat Linux servers. Started implementation on site backup strategy. Learned and authored Adobe Flash movies. Exposure to MTS control software. General Windows and Linux management and upkeep.

Premier Manufacturing and Supply Chain Services, 2003-2007

Enjoyed small-company atmosphere by wearing many hats from I/T, process development, quality documentation (ISO 9001:2000), electronics repair, and training. Some accomplishments are: improved record keeping and retrieval by writing Access databases for shipping, tracking of orders, materials, and interfacing with existing inventory system. Eliminated labor-intensive tasks by writing part-mapping algorithms (BOM-to-XY placement lists for surface-mount placement). Increased functionality of an outdated MRP system based on SuperBase software by "hacking" the documentation-less database schema and learning/programming the proprietary database language. Increased system reliability and performance by transitioning in-house network from NT 4.0 to Small Business Server 2000. Administered a Lucent PBX system. Improved technicians' debugging ability of Chaparral RAID systems. Organized and oversaw a new shipping operation to international clients, defining processes and methods for documentation of shipped products, and training others for proper packaging and palletizing of shipments. Decreased the frequency of visits by costly technicians through debugging and repairing PC-level and circuit-level control systems on large in-house manufacturing equipment by using schematics, multimeters, analysis, etc.

Sales clerk, Simply the Best, December 2002

Accurately and effectively operated a cash register. Maintained customer satisfaction and workplace harmony.

CS Operations, University of Colorado, 2001- 2002

Resolved system problems for students and faculty in the Computer Science department operating with approximately 1,500 remotely-managed computers and 2,500 students. Promptly analyzed issues submitted via a trouble reporting system and via phone. Configured department-wide spam e-mail filtering, monitored and repaired UNIX workstations, configured new wireless 802.11b router installations. Assisted students with appropriate hand-holding.

Volunteer Missionary, 1997- 1999

Served in various cities in Argentina, performed service for the community on a regular basis. Created and supported several Access databases managing the movement of missionary supplies and missionaries' information for the 180 full-time missionaries. Mentored office workers in using these databases and other Microsoft applications. Learned Spanish fluently, including computer terms (all databases programmed for Spanish-speakers using Spanish software).

Service Technician, Micro Computer World, Inc., 1995-1997

Performed hardware- and software-level repair of PC and Macintosh systems. Started and expanded on-site repair service. Configured networks for customers company. Created databases for purchasing and order control. Mentored accounting staff. Maintained PBX system.

Production Specialist, I-NET, Inc., 1991-1994

Managed a Novell server and network, assisted with a MicroVAX running VMS 4.6. Programmed utilities including TIFF file decoders, viewers, bar code decoder. Responsible for computer and system troubleshooting and repair. Learned and administered PBX system.

Experience Summary:

OS: Windows (2.11 to Server 2000, Small Business Server 2000, XP, Exchange, Active Directory), UNIX (Solaris, Red Hat Linux), MacOS, DOS (3.3 to 6.12), Novell NetWare, VMS

Compiled languages: C, C++, Java, Fortran, Access BASIC (Visual BASIC), x86 assembly

Scripted languages: SQL, bash, tcsh, DOS/Windows batch files, PERL, JSP, REXX, Flash ActionScript

Databases: Microsoft Access, SuperBase, FileMaker, Sybase, MySQL

Other experience: Chaparral RAID, TCP/IP, desktop hardware and software support, sales, component-level debug and repair, fluent Spanish-speaker (second language). Airplane pilot.

References:

Available upon request.