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Erik Oosterwal

Objective

A software engineering position on a team seeking innovative ideas and robust designs.

Profile

A computer scientist with more than 15 years experience specializing in the Data Acquisition field. Extensive experience with a variety of communications protocols and programming languages. Excellent troubleshooting skills. Learns and implements new computer technologies and concepts quickly. An accomplished public speaker who is comfortable communicating with all levels of an organization.

Programming

Created a vision based computer system for automatically evaluating wrinkle performance of laundry products per American Association of Textile Chemists and Colorists (AATCC) standards.

Designed and built a fuzzy logic based system on an Opto 22 micro-controller for maintaining water temperature and pressure within 1% of desired value with display data being sent over Ethernet to a host PC.

Developed a proprietary data acquisition system for collecting UL temperature rise test data from eight 30-channel recorders over an RS-422/485 network.

Created a relational database for storing test data and machine specifications of competitive appliances for Whirlpool's Competitive Analysis department.

Constructed a test system for checking the quality and performance of the Turbo Zone wash system on Whirlpool dishwashers.

Developed a web based client-server test system for Whirlpool's Dishwasher Washability lab for collecting data over a Virtual Private Network (VPN) and displaying the data back over the LAN.

Leadership

Accepted leadership positions in the Whirlpool Hispanic Network and the Native American Network.

Held positions of increasing responsibility in the Whirlpool Toastmasters club, including Education Secretary and President.

Invited to join Whirlpool's Diversity Council to help determine the ongoing direction of the company's diversity initiative.

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Communication

Facilitated more than 15 Diversity and Inclusion seminars for employees in Whirlpool's Corporate Technology Organization. Employees represented all levels of the organization from non-exempt to vice president.

Received numerous public speaking awards while part of the Toastmasters organization including Toastmaster of the Year in 1995.

Instructed groups of high school students on robotics hardware design and programming fundamentals.

Systems Administration

Maintained > 95% uptime on 90 UNIX workstations and peripherals such as printers and plotters.

Installed and upgraded software such as PRO/Engineer, CADDS 5, Solaris, HP-UX.

Supported UNIX workstation users with software and hardware problems.

Implemented new data acquisition test stands and maintained > 99% uptime on existing data acquisition test stands.

Employment

1990 - Present: Whirlpool Corporation

Education

1990: Andrews University - BS Computer Science

Selected Professional Training

2005: Opto 22 - SNAP Ethernet Systems
2003: Council for World-Class Communities - Diversity and Inclusion Facilitation
1999: National Instruments - Machine Vision
1998: Noesis Vision - Visilog Image Processing
1996: Opto 22 - Cyrano and Man Machine Interface (MMI)
1995: Oracle - Introduction to Oracle, SQL, SQL*Plus, and PL/SQL

Selected Computer Experience

Languages: Assembly, C, COBOL, FORTRAN, HTML, LabVIEW (G), Opto 22 (Cyrano, IO Control, Opto Control), PHP, Visual Basic.

Software: DOS, MS Office, MySQL, OPTO 22 MMI, Oracle DBMS, Pro/Engineer, UNIX (SunOS, Solaris, HP-UX, Linux), Windows.

Foreign Languages

Speak Dutch and German.

References will be provided upon request.