

Larry McCrigler

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Objective An engineering position with a high technology company.

Experience

2000 - Consulting Engineer fishcamp engineering Orcutt, CA
Provide engineering services as required for a variety customers and products; including:

- Design, verification, component selection, prototype debug, testing and customer support of microprocessor and other digital systems.
- Development of thermoelectric heating and cooling (TEC) systems along with the digital interfaces and closed loop controls.
- Motion control design for both stepper and servo motion systems utilized for high resolution position control.
- Development of thermoelectric heating and cooling (TEC) systems along with the digital interfaces and closed loop controls.
- Solar power management electronics, charge control and switching supply design for optimum control of solar power in low power solar application.

1999 - 1999 Network Engineer WestStar Wireless San Luis Obispo, CA
Responsible for all business telecommunications and network services for statewide paging and wireless company.

- Administered telecommunications services including T1, ISDN, PLS, and Centrex.
- Administered multi-server network running Novell, Windows, Unix, and Linux.
- Planned, installed and maintained network hardware for corporate WAN.

1994-1998 Electrical Engineer SAES Pure Gas San Luis Obispo, CA
Responsible for electronics on small purification product lines, (≈30% of sales).

- Designed and supervised implementation of custom engineered options.
- Value engineered products to reduce cost, and streamline production.
- Responsible for schematics, assembly drawings, BOMs and manuals.

Represented engineering for implementation of business (ERP) software

- Developed document flow and procedures engineering process control including efficient handling of Engineering Change Requests, Orders and Notifications (ECRs, ECOs & ECNs).
- Developed and implemented process and procedures for component selection, documentation and release to production.
- Trained engineering and document control staff in ERP application and use.

1992-1994 Senior Engineer Spar Communications Group Santa Maria, CA

Responsible for all multiplexer interface products, T1,E1, voice and data.

- Provided customer and factory technical support.
- Responsible for new product integration and testing.
- Diagnosed board and system level integration problems.

1984-1992 Engineer Spar Communications Group Santa Maria, CA

Designed, prototyped, and released multiplexer interface products including interfaces supporting T1, EIA 232, EIA 449 and CCITT V.35 standards.

Supervised engineering technicians (2 - 5).

Co-designed 30 channel data multiplexer, providing 1.2 – 38.4 Kbps per channel.

Education

Allan Hancock College Santa Maria, California.

Continuing education coursework in C and Data Structures.

California Polytechnic State University San Luis Obispo, California.

Bachelors of Science
Engineering Technology

College of the Redwoods Eureka, California.

Associate in Arts (Honors)

Related Skills

CAE design tools and Programmable Logic:

Viewlogic, Orcad, and Concept, on WinTel, Macintosh, and Unix workstations. FPGA and PLD Development using Xilinx, Altera, and standard PLDs.

Languages:

Proficient at C, BASIC, FORTRAN, Assembly; working knowledge of Visual Basic, C++.

Activities / Awards

Member of IEEE.

Administer AWANA children's club, managing 50 staff, and 120 children weekly.

Teamwork plaque for "Extraordinary Contribution to the Project Implementation Team" received in 1996.

References furnished upon request.