R E S U M E

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**Career
Objective:**   To apply my experience to a position which offers opportunities to enhance my technical and
                   project management skills

Education: Loyola Marymount University, Los Angeles, CA
                   B. S. Electrical Engineering June 1969

**Work
Experience:**   Soft Computing Technology, Santa Cruz, CA
                   President   1996-Present
                   - Wrote Wireless Palm Pilot Application using Smalltalk communicating via PPP to a
                     Java Database server.
                   - VHDL design of a LCD, mouse, and keyboard controllers for a Hyperstone RISC/DSP
                     accessory board. Wrote associated drivers in C.
                   - ATA driver written completely in Java.
                   - Object Oriented Analysis, Design and coding in Java for middleware at a large disk
                     drive manufacturer providing shop floor management.

                   University of California, Santa Cruz, CA
                   Instructor, Extension   1992-Present
                   - Teach both Java and Smalltalk courses in Object Oriented Programming which
                     emphasize object modeling and adaptable programming styles.
                   - Teach a Workshop for OO Programmers.

                   Dedicated Systems, Morgan Hill, CA
                   Engineering Manager   1991-1993
                   - Managed a small group in a startup company involved with the development and
                     customer support of a consumer scale and automatic powder dispensing system.
                   - Designed the microcontroller hardware and wrote the firmware for the scale/dispenser
                     in C.
                   - Wrote testing software in Smalltalk to automate the scale production testing process.
                     The software communicated with the device under test and produced real time
                     statistics, histograms and graphs.
                   - Wrote a stock market trading system in Smalltalk utilizing neural networks. This 6
                     month project resulted in a set of data preparation, prediction and analysis tools

                   Seagate Technology, Scotts Valley, CA
                   Engineering Manager   1987-1991
                   - Manager of 14 people involved with the development and support of sophisticated
                     electromechanical tooling.
                   - Responsible for software/firmware development, hardware design, overseas support,
                     planning and justification of disk head subassembly certification equipment.
                   - Reported to director level management. Prepared budgets, schedules, projections
                     and have given presentations to potential cutromers.
                   - Wrote sections of the disk head testing software in C.
                   - Experimented with Genetic Algorithms for failure prediction using data from the
                     disk head testers.

**Work
Experience:**
(cont'd)

New Wave Systems Inc., Los Angeles, CA

Engineering Manager   1984-1987
- Manager of a small group of software programmers and engineers involved with barcode system design and implementation.
- Responsible for microprocessor firmware, hardware design, and production engineering for a complete line of barcode scanning devices.
- Prepared budget, schedules, and projections for corporate level management.

Hardware / Software Engineer   1975-1980
- Wrote barcode printing program in C.
- Wrote a typing training program for executives in C under UNIX.
- Designed hardware and firmware for embedded barcode systems and keyboard interfaces.
- Designed barcode assembly line system to monitor production rate and product mix on moving assembly line and interface to VAX host.

**Special
Skills:**
- Ability to take charge of projects requiring hardware, firmware, software and modeling.
- Excellent management and communication skills.
- Languages: Java, Smalltalk, C++, C, 8086 Assembler
- Have applied Neural Networks, Genetic Algorithms and Genetic Programming to various real world applications.

Interests:
- Complex adaptive systems.
- Swarm intelligence.
- Genetic Programming and Genetic Algorithms

References:
Available on request.