Carl L. Wright

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Summary

- Engineering management
- High-tech Research and Development
- Computer Software / Hardware Design and Development

Independent Software Contractor – Visx Inc   2000-pres.

• Created desktop hardware emulation software that has aided development of the latest Visx Refractive Surgery instrument. • Developed machine control software to implement a Presbyopia treatment undergoing clinical trials in Europe. • Developed an SQL database and support mechanisms to store and display machine calibration history. • User interface and calibration software development.

Principal Engineer/Software Manager - Molecular Devices Inc   1997-2005

Development of high throughput screening instruments for Pharmaceutical drug discovery. • User interface, instrument control, robot control and XP embedded system development.

Independent Software Contractor – Sunrise Technologies   1997-1999.

User interface and system control software development. • Smart card and system interface software development.

Senior Software Engineer/Director of Software - VISX Incorporated   1992-1997

Development of the world's leading Laser Refractive Surgery Instruments. • User interface, instrument control and optical card software development.

Staff Software Engineer - Amdahl Corporation   1989-1992

Development of remote diagnostics software for Computer Mainframe Storage Products

Systems Engineering Manager - International Bioaccess Systems Corp.   1986-1988

Development of Biometric Computer security products. • Algorithm and hardware interface software.

Senior Software Engineer - EPID Inc   1983-1986

Development of Electrophoretic Information Displays for the laptop industry. • Algorithm and display control software development.

Member of Technical Staff - Sandia National Laboratories   1974-1983

Solar Energy • Heliostat development for 10 Megawatt solar power plant in Barstow, CA.
Combustion Research • Laboratory Safety and control system
High energy laser research and development

Education

M.S. Engineering, University of Texas at El Paso
B.S. Electrical Engineering with Honors, University of Texas at El Paso

Software/Hardware:

MS Windows, Windows XP, Windows XP Embedded, MS DOS, UNIX, C++, C, Pascal, InstallShield, PL/M, - various macro assemblers, source control and development tools and debuggers. FrontPage

IBM PC/XT/AT; Intel 80x86, 8085, 8048, 8051; PIC 16Cxx, Zilog Z8; M68000, M6805 ; STD BUS, MULTIBUS; **Various:** Development systems, In-Circuit-Emulators, Logic analyzers and test equipment.

Community/Public Service

President - Kilauea Farms Community Association
President - Moloa'a Valley Homeowners Association
President - Apollo Kauai
Member - State Central Committee, Democratic Party Of Hawaii
Member - Executive Committee, Democratic Party of Kauai