

Experience Developing Software and Innovative Solutions since 1977

- Created applications and development tools for a wide range of computers and devices.
- Over two decades of C development and more than three decades in various languages.
- Excels at creating highly efficient solutions, algorithms, and novel approaches to problems for data storage, computation, synchronization, and networking.
- Exceptional coding skills: able to modify, port, and improve existing code, especially when the original developers are no longer available and there is little documentation.
- Strong communication skills: able to bridge the gap between technical and non-technical.
- Effective researcher and prototyper, enjoys developing and implementing new ideas.
- Able to negotiate, manage, teach, and mentor.

Positions

Independent Consultant, Millburn, NJ 1995-Present

Developed server software, web apps for Internet services, payment gateways, shopping carts, games and contests, interactive books, educational titles, and managed software projects for CD-ROMs, Websites and Servers.

Built a successful Apple Macintosh Consultancy practice, MillburnMac.com

Provided Internet Hosting Services, 1996 to present.

InterActions Media, a division of NCI Advertising / Publicis, New York, NY 1998-2002

Half of a two-person team that founded an Internet Startup. Created and managed 25 projects in four years with a peak team size of 10 people.

Ehrlich Multimedia / Times Mirror Multimedia, Park Ridge, NJ 1993-1995

Software Developer — Developed Interactive CD-ROMs in Macromedia Director and created custom development tools.

Graphex Imaging Systems, Yonkers, NY 1991-1993

Software Developer — Developed computer graphics solutions and ported a PostScript RIP to Mac OS and Unix, creating a front end to a custom parallel graphics engine.

Symantec / Peter Norton Product Group, Santa Monica, CA 1991

Consultant — Developed components and tools for The Norton Desktop™ for Windows 3.

Citicorp / Transaction Technology, Inc., Santa Monica, CA 1989-1991

Consultant, ATM QA — Developed and implemented test plans for Automated Bank Teller Machines. Proposed and Developed a 5GL programming language to model ATM systems and an interpreter to perform automated testing of an ATM with a robotic arm.

Digital Equipment Corporation, Boxborough, MA 1985-1989
Senior Software Engineer — Developed software to validate RISC and CISC CPUs (VAX, MIPS, PRISM, and Alpha). Original architect and developer for The RISC Architecture Exerciser. Researched, prototyped, and developed innovative automated testing strategies and stochastic test models for CPUs, concentrating on testing FPUs and highly pipelined CPUs.

Wang Laboratories, Lowell, MA Summers 1983-1984
QA Associate — Developed interactive and automated tests for various peripherals.

Education

University of California, Los Angeles, CA 1989-1991
Advanced to Candidacy for a M.S. in Computer Science (ABD), GPA 3.71
Studied Advanced Computer Architecture, Fault Tolerant Computing, and Parallel Simulation. Developed a multi-threaded simulation engine for use on Shared Memory Parallel Super Computers. Member of the ACM Programming Competition Team for two years.

University of Massachusetts, Amherst, MA 1981-1985
B.S. in Computer Science, GPA 3.92, elected to Phi Beta Kappa, Cum Laude
Dean's list every semester & named an Alumni Scholar. Concentration in operating systems, numerical computation, and computer graphics. Received a paid graduate teaching assistantship my last semester.

Interests

I'm a member of The Barbershop Harmony Society and have been performing in a cappella groups since 1985. I hold a gold medal from the 1990 International Chorus Competition and have appeared in quartets on radio, television, and in film. Also active in community theater and as a photographer, I work in wide angle, macro, low-light, panoramic, infrared, and 3D photography.

Awards

Communications Arts: Best Interactive Design (1998)
Selected for MacWorld Expo Developer Greenhouse for MailBurst (1997)
Shockwave Site of the Week for AT&T Olympic Shockwave Games (1996)
Business Week 1000 CD-ROM — Bronze Medal at New Media Invision Multimedia awards (1994)
Special recognition for contributions to Verification of the Aquarius CPU Design, VAX 9000 (1989)

Sample Software Developed

The ZipBurst CGI Pro, The Apache-Apple Event Bridge, MailBurst, FaxBee, CodeBurst.