



William P. Fritz

Monarch Beach, California

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EDUCATION ____

Biological Sciences

Michigan Technological University, Houghton, MI

Bachelor of Science, 4 years, Biological Sciences

Master of Science, 2 years and thesis, Comparative Cardiovascular Physiology, Cardiology

Inorganic chemistry, Organic chemistry, Physical chemistry, Physiological chemistry, Animal and plant physiology, Cell biology, Histology, Anatomy, Animal behavior, Ecology, Environmental sciences, Electrocardiology, Biosimulation, Business

Postgraduate Studies, Medicine

University of Michigan Medical School, Ann Arbor, MI

Human Anatomy, Histology, Embryology, Biochemistry, Microbiology, Neurology, Physiology, Pharmacology, Psychiatry, Clinical Medicine

COMPUTER SKILLS ____

34 years. HTML v3-5, dHTML, CSS, ASP, ASP.NET

JavaScript, JAVA– server scripting, MS iE, Firefox, Opera, Safari, Chrome, Edge DOM.

Tools to create client-server cloud software.

46 years. C, C++, C# - Microsoft C#.Net, Interdev, Visual Studio, C/C++/C#, Borland IDE v3.0-6.0, Symantek ThinkC. Tools to create and produce shrink-wrapped retail software.

50 years. HP 3357 Analytical Laboratory Automation System (Avondale Penn group), Liquid-gas chromatography component separation assays for R&D. General purpose laboratory automation and statistical analysis.

Tools to create software for teams of R&D for major food research, production, quality assurance and market surveys (taste testing, Q/A, to help marketing and chemistry specialists).

50 years. DATABASE - MS SQL, stored procedures, ADO.Net, Jet, Access, HP Image/Query

52 years. ASM, machine language, HP PCL, GL, 2648 TermCtrlLang; Pascal, Fortran IV

54 years. BASIC - Microsoft Basic.Net, Visual Basic v3.0-7.0 (20 years), VBA, VBscript, BasicA, DEC, HP, IBM MVS.

Tools to collect and analyze experimental data for the understanding of inducing hypothermia before and during surgery (EKG, Blood Pressure, etc).

Win16/32 API, ADO.Net, WCF, MFC, ActiveX, COM, DDE, OLE, Jet, ODBC, VSS, Firefox, Photoshop, Word, Excel, PowerPoint, HP 3357 Analytical Laboratory Automation System, SAS, GitHub, NuGet.

CAREER HISTORY ____

Architect, Analyst, Programmer, Developer , Consultant

1997-present

Clients include – Linksys, County of San Bernardino ISD, iWay HL7, SEI Information Technologies, HealthELink, Air Quality Management District, Pacific Data Technologies, KnowledgeBroker, HarborObjects, Long Beach Memorial Hospital, etc. See website.

CAREER HISTORY__ (CONTINUED)

Architect, Analyst, Programmer, Developer

1997-present

Project Types

- Programming, Analysis and Architecture - General practice of information technology for many platforms.
- Web-Based E-Commerce - Created and improved sites. UI, HTML, ASP.NET, ASP, CSS, SQL, ACS interfaces.
- Traditional E-Commerce - Integrated medical and accounting databases – ISA X.12 810, 836, 850, 852, 357.
- Project Management - Gathered and defined requirements, managed a technical team, wrote manuals, wrote code descriptions, scheduled and coordinated group efforts, tested, conducted rollout.
- User Interfaces - Created many client-server, desktop and web user interfaces. TCL, VB, C, HTML, Java, .Net
- Data Warehousing - Developed methodology, wrote manuals. VB6 conversion programs, DataJunction.
- Customer and Product Support - Designed and wrote a contact management system for a call center.
- Human Resources Support - Conducted technical interviews of IT candidates.

Laguna Beach Festival of Art and Pageant of the Masters, Laguna Beach, CA

2006-2011

Event Security for 2 months each summer, full-time.

- Used excellent communication skills to welcome and assist festival guests.
- Provided support for the presenting and performing artists.

Dynamic Pathways Company, Newport Beach, CA

1988-1997

"Success, Inc, the Powerful Business Plan Writer" (and "Sales and Marketing Success")

Microsoft Certified for DOS, Windows 3.1, 95 & 98. (for Egghead, CompUSA, etc.)

Developer and Founder

- Created and sold prepackaged, shrink-wrapped software, text content, manuals and workbooks.
- Established shelf space and began a genre of interactive planning software.
- SCORE (Service Core Of Retired Executives), Electronics Boutique, CompUSA, Costco, Walmart, etc
- Personal Computer Magazine endorsements. Advertising, Conventions, Promotions.

TQ Systems, Laguna Beach, CA

1984-1988

Developer, Sales and Support, CTO, VAR.

- Created, installed and supported a turnkey system to automate questionnaires.
- All original concept and code.
- Setup, questionnaire definition, presentation, data analysis, statistics and graphs.
- Networked microcomputers performed real-time touchscreen presentations.
- Consumer food testing. Hewlett-Packard VAR.

Hunt-Wesson Foods, R&D, Technical Center, Fullerton, CA

1981-1984

Computer Systems Manager, Project Leader, Sr. Scientific Computer Systems Analyst

- Responsible for computer service for 400 professionals among analytical chemistry, statistics, packaging, processes engineering and product development.
- Implemented the use of microcomputers in R&D for pilot plant development, package design, new products, sensory analysis, quality assurance, chemical analysis, human resources and marketing.
- Performed experimental design and statistical analysis.
- Presented a series of lectures and published in the Journal of the International Food Technologists.
- 1984 R&D Employee of the Year.
- Hunt-Wesson Foods was located in Fullerton, California as one of seven Norton-Simon companies.
- Products (\$1B/year) included Manwich, Orville Redenbacher, Swiss Miss, and tomato products.
- It was subsequently purchased as Esmark and is now part of the consolidated Beatrice companies.