



William P. Fritz

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Web site at www.chair-pros.com/Bill

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EDUCATION

BS, Bachelor of Science, 4 years, Biological Sciences

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

Biological Sciences, Michigan Technological University, Houghton, MI

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

Postgraduate Studies, Medicine, 2 years, Univ of Michigan Medical School, Ann Arbor, MI

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

COMPUTER SKILLS

Software

C, C++, C# - MS C#.Net, Visual C/C++, Borland C/C++ v3.0, 3.5, 4.5, 6.0, Symantec ThinkC, 26 years.

BASIC - MS VB.Net, Visual Basic v3.0-7.0 (10 years), VBA, VBscript, BasicA, DEC, HP, IBM, 33 years.

DATABASE - MS SQL, stored procedures, ADO.Net, ADO, Jet, Access, HP Image/Query, 30 years.

JavaScript, EcmaScript, JAVA— server scripting, iE, FF, Opera, Safari DOM, **15 years.**

OTHER- HTML v3-5, dHTML, CSS, ASP, ASP.NET, XML, UML, 10 yrs; ASM, machine language, PCL, GL, TCL; Pascal, Fortran, 30 yrs; Win32 API, .Net, MFC, ActiveX, COM, DDE, OLE, Jet, ODBC, ADO, 30 yrs.

APPLICATIONS — Visual Studio (many versions, including Interdev), VSS, Firefox Firebug, Photoshop, Word, Excel, PowerPoint, Project, Fusion, Quark, PageMaker, HP 3357 Analytical Laboratory Automation System, SAS, SPSS, Rational Rose, Sterling Commerce EDI.

Platforms

OPERATING SYSTEMS - Microsoft Windows 7, Vista, XP, Win 2000/3, NT, 98, 95, 3.1 DOS versions 1-8, DEC RT-11, RSX-11M, HP 1000/3357, IBM MVS TSO, CP/M, Apple System 7.

HARDWARE

Intel (8080, i86-Pentium), IBM mainframes, DEC Minc-11 & PDP-11 (VT-105), DEC 10, HP 1000 (2648 terminal control language, PCL, GL), Apple/Motorola, Sun, Wang, Olivetti.

Roles

Programming, Analysis and Architecture-General practice of information technology for many platforms.

E-Commerce- (Web-Based) Create and improve sites. UI displays, shopping carts, job board, HTML, dHTML, ASP.NET, ASP, ADO.NET, VB.NET, CSS, SQL, Graphics, UI, Code-behind, Back end, CC processing.

JavaScript with dHTML and browser compatibilities (iE, FF, Opera, Safari), Flash replacement.

E-Commerce- (Traditional) EDI Implementation of medical and accounting (ISA X.12 810, 836, 850, 852, 357).

Project Management- Gather and define requirements, manage technical team, document, test, rollout.

User Interfaces- Created many client-server, desktop and web user interfaces. TCL, VB, C, HTML, Java, .Net

Data Warehousing- Develop methodology, wrote manual. VB6 conversion programs, DataJunction

Customer and Product Support- Designed and wrote a contact management system for a call center

Human Resources Support- Conduct technical interviews of IT candidates.

Scientist, Author and Statistician – Medical procedures, real time and lab data, data analysis, teaching, Art

CAREER HISTORY

1997-present Architect, Analyst, Programmer, Developer, Webmaster.

Consultant, Various Locations, Roles and Types of Relationships

(1099/W2), see [web site](#) for more information, examples and clients

[Chair-Pros.com](#), Laguna Nigel, California (949) 388-9523 2002-present

Ecommerce site. Product displays, catalogs, shopping card, quotation and purchasing subsystem, ASP, HTML.

LA Envelope, Montebello, California 2008-2011

Automated semi-custom project sale, billing, shipping, and tracking through production using bar codes. Branding priorities. Visual Studio.Net development for this new eCommerce site. ASP.Net v2, C#.Net, ADO.Net, MS SQL Server, stored procedures, Javascript, HTML 4.01, CSS 2.0. Implementing MS SQL security with roles. Front end and back end.

HarborObjects, LLC, Newport Beach, California (949) 752-1080 2006-7

Visual Studio and VSS for ASP.Net v2, VB.Net, C#.net, ADO.Net, MS SQL Server. UI with Ajax, Javascript, HTML, CSS. Various projects at this consulting firm

Gemshow-Online, San Diego County, California 2003-2007

Utilities to update backend processing were written using sockets asynchronously

VentureABC.com, Costa Mesa, CA. 2001-2.

Portal website for US Patent processing. MS IIS, Interdev, ASP, vbScript, javaScript, SQL

County of San Bernardino, Information Services Department, San Bernardino, CA 2003.

Modified portal website for the SB Jobs and Employment Development Department (JESD). ADA standards compliance. HTML, IIS, Interdev, ASP, vbScript, javaScript, MS SQL Server.

SEI-IT Information Technologies, 512 Figueroa Street, Suite 1050, Los Angeles, CA 2000

Designed, evaluated and develop proposals on teams. Technical interviews of IT candidates. Sr Systems Architect

Medipro, HealthELink.com, Towne Center Drive, Pomona, CA 2000.

On-line accounting interchanges. Implementation of medical information ISA 810, 836, 850, 852, 837/HCFA-1500, UB-92 forms. HTML, IIS, Interdev, ASP, vbScript, javaScript, MS SQL Server.

Pacific Data Technologies, 33 Journey, Aliso Viejo, CA 1999

Data warehousing. Parsed and normalized county assessor's tax data. Developed methodology and wrote manual for programmers. VB 6.0 programs and DataJunction: Data was migrated from MS SQL databases, ASCII text files, Excel Spreadsheets and from COBOL EBCDIC. Data was inserted into a SQL server, NT system.

Southern California AQMD (Air Quality Management District), Diamond Bar, CA 1999.

Government Facility, Developed on Site. Altered existing Access switchboard system to reflect current administrative objectives. Extensive VBA basic scripting and Crystal Reports.

Linksys, Irvine, CA 1998

Designed and wrote workflow and contact management for a telephone support center. MS NT 4, Visual Basic 5.0, Access, Jet, ADO. ANSI X.12 interfaces through VAN (Value Added Network) Sterling Gentran Director. On-line accounting interchanges. ISA 810, 836, 850, 852.

KnowledgeBroker, Inc, Reno, Nevada 1998-2003

Desktop Windows 95/98 product developed. Developed cases for online web service.

Developer and CEO. 1989-1997.

Dynamic Pathways Company, 800 Newport Center Drive, Newport Beach, CA

Prepackaged, shrinkwrapped software was [created](#) and [sold](#): Products included text content, manuals, workbooks and software written in C. "*Success, Inc, the Powerful Business Plan Writer*," established shelf space and began a genre of interactive planning software. Microsoft-Certified for DOS, Windows 3.1, 95 & 98. SCORE, EB, CompUSA, and PC Magazine endorsements. Average sales/year, \$2.2M wholesale, \$5M retail.

Developer, Sales and Support, CTO, VAR. 1984-1988.

TQ Systems, 512 North Coast Highway, Laguna Beach, CA

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

Computer Systems Manager, Project Leader. 1981-1984.

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

As a Sr Scientific Computer Systems Analyst in the statistics department, I was responsible for computer implementation and service for 400 professionals among analytical chemistry, statistics, packaging, processes engineering and product development. Managed Hewlett-Packard 3356/57 (1000) Laboratory Automation System (LAS) chromatographic analysis. Attended training by Hewlett-Packard in Sunnyvale, CA and Avondale, PA. Executed, modified and supervised routine statistical analysis using FORTRAN IV programs for IBM 360/4xxx OS JCL TSO. SAS, SPSS. Working with engineers, I implemented the use of microcomputers in R&D for pilot plant development, package design, new products, sensory analysis, quality assurance, chemical analysis, human resources (Hay data) and marketing. I performed experimental design and statistical analysis. Presented a series of in-house lectures and published in the Journal of the IFT (International Food Technologists). 1984 R&D Employee of the Year.

CAREER HISTORY (continued)

Consultant (1099), 1981

Memorial Hospital, Pediatrics Department, Long Beach, CA

Developed and wrote real-time programs to measure pulmonary compliance from expiratory flow.

Departmental Illustrator (P/T 1099) 1979-1981

**Department of Plastic Surgery, University of California Irvine Medical Center,
101 City Drive South, Orange, CA**

Research Associate IV, Cardiopulmonary Research Laboratory, 1977-1981

**Department of Pediatrics, University of California Irvine Medical Center,
101 City Drive South, Orange, CA**

Performed experiments to evaluate hypothermia as a pretreatment for surgery. Experimental surgery; taught catheterization and cannulation. Recorded and analyzed electrocardiography, arterial and venous blood pressures, tissue perfusion, oxygen partial pressures and carbon dioxide production. These analog parameters were digitized and measured in real-time on a DEC (Digital Equipment Corporation) Minc / PDP-11 (OS RT-11). Wrote programs for data collection and analysis in Basic. Bench laboratory analysis data (hemoglobin, hematocrit, and Coulter counter data) was manually entered into the analysis system. Offered postgraduate research credits to UCI students for their participation. Published: Fritz, Beran and Sperling, "A File System for Physiological Analysis," Proceedings of the Digital Equipment User's Society (DECUS), Volume 7, no 2, 1980.

Technical Illustrator, (W2) 1976-1977

Pace Publications, Anaheim, CA and Mercury, Tustin, CA

Production art was created with Rapidograph technical pens with plastic ink on mylar and vellum. Brush camera and planetaries. Line drawings and PCBs were produced for product manuals, presentations and proposals. Customers included Hughes Aerospace, McDonnell-Douglas, TRW, Autonetics and Department of Defense contractors. Company Confidential clearances.

Research Associate II, 1975-1976

Department of Physiology, University of Michigan Medical School, Ann Arbor, MI

I was a member of a team conducting cardiovascular exercise physiology research. We studied hemodynamics in cannulated dogs subsequent to artificially stimulated muscular exercise. Instrumentation, pressures gases, electrocardiography, surgery, and blood chemistry.

Teaching Associate, 1972-1974

Department of Biological Sciences, Michigan Technological University, Houghton, MI

Taught Animal Physiology, BL-330. Lecture and Laboratory, Used Guyton texts, prepared illustrated lecture notes for distribution. Created and applied testing materials. Graded students and provided references.

EKG Technician, (part time) 1971-1972

Heart Station, University Hospital, Ann Arbor, MI

Performed portable EKGs, electrocardiographs, in ward, private rooms and semiprivate rooms. Preparation and filing of readings and reports.

Microbiologist, 1969

Upjohn Pharmaceutical Company, Portage location, Kalamazoo, MI

Bench laboratory tests were executed for Quality Assurance (Q/A) of Unicap vitamins and Mycitracin antibiotics. I executed separation procedures and assessed assays for the inhibition of bacterial growth in agar for neomycin, bacitracin, polymyxin B.

Theater Projectionist, Doorman, Assistant Manager, 1962-1969, 1972-1975

The Lode Theater, 512 Shelden Avenue, Houghton, MI

Doorman, vending, ticket sales, clean-up, opening, closing, operate 35mm projectors. Twenty minute reels, carbon arc illumination, regular and cinemascope lenses, changeovers. Fifteen to thirty hours/week.

Non-technical Experience includes...

Laguna Beach Festival of Art and Pageant of the Masters, 2006-2011

650 Laguna Canyon Road, Laguna Beach, CA, 92651, (949) 492 4227, (949) 493 9230

Security at this seasonal event, 2 months each summer, full time, evenings, 2006 through 2010

Loss Prevention, Safety, Public Relations, Crowd Control, Parking, Entry and Grounds

Additional...

Cashier, and Sales at The Home Depot (16 mo), Order fulfillment, Motel desk clerk (3 years, P/T), Window washer (4 years, P/T), Newspaper delivery (3 years, P/T), Busboy, President MTU Graduate Student Council, USA Alpine Competitive Ski Racer, 1960-1969, NCAA, USSA, MTU Ski team, MVP, Captain 1968.