

# RESUME

**William T. (Bill) Holmes**

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## PROFILE

Innovative, resourceful and responsible business analyst, technical writer, database and web developer, designer, engineer, and project and functional manager, who tends to optimize the functionality, performance and accuracy of products and personnel with better processes, designs or information systems or automation in all eight domains experienced using over seventy application programs, thirteen database systems, thirteen programming languages and ten operating systems. That experience facilitates the rapid identification of core problems, and the design and implementation of novel solutions using new tools.

## EMPLOYMENT AND EDUCATION HISTORY

### Bill Holmes Consulting - 7/2005 to present

#### Designer, Inventor and Technical Writer

Conceived, conceptually designed, submitted provisional patent application, researched market, and wrote product plan for a "Blade Flyer" VTOL and conventional flight vehicle concept and a "Rail and Sill Hoist" concept. Further developed presentations and business plan, submitted unpublished full patent application, and solicited investors for the Blade Flyer. Designed decks, fences and other home improvements, and designed a rack divider system and method of installation to avoid the "push-through" problem at warehouse stores. Used SolidWorks, Canvas, Word, Excel, Pages and Numbers.

#### Business Analyst and Technical Writer

Developed functional requirements and technical specifications for systems that support medical insurance business, including receipts processing, member appeals, benefits, chemical dependency and call processing. Performed a gap analysis of the member appeals legacy system with Facets claims and workflow manager that revealed Facets could be used for the purpose without the belated Facets appeals application as confirmed by onsite Trizetto personnel. First among seven contract business analysts to get customer approval. First to get Trizetto programming staff acceptance of a technical specification. Used Lotus Notes, Word, Excel, Access, Visio, LiveLink, Project and RUP/UML subset.

### Synergy Enterprises (Lancaster, CA) - 6/2004 to 7/2005

#### Inventor

Developed and submitted provisional patent for a fraud- and theft-free financial transaction method based on telephony, particularly cellular telephones. Used Word.

### **American Astronautics Corporation (Carlsbad, CA) - 12/2003 to 6/2004**

#### **Technical Writer and Designer (VP of Operations)**

Refined business plan. Developed web site. Prepared launch site plan and presentation. Developed factory layout. Evaluated potential manufacturing, launch and refurbishment locations. Space tourism startup failed to materialize. Used Word, HomePage, Canvas, Photoshop and SolidWorks.

### **Synergy Enterprises (Carlsbad, CA) - 5/2000 to 12/2003**

#### **Technical Writer**

Developed Ph.D. thesis and presentation on space-based robots controlled from Earth by way of a simulator. A Ph.D. was awarded. Used Word and Canvas.

### **Omnigon (Carlsbad, CA) - 5/2000 to 9/2002**

#### **Technical Writer**

Wrote most of a group coordination and sensor fusion system proposal. Installed older operating systems and programs to recover information from legacy files. Managed massive functional specification. Used Word and Framemaker, MacDraw and MacWrite.

### **Synergy Enterprises (North Park, Escondido and Palmdale, CA) - 11/1991 to 5/2000**

#### **Business Analyst**

Developed requirements for a fulfillment system. Developed requirements for and installed 900 phone system. Used Word, Excel and Canvas.

#### **Technical Writer**

Developed proposals and presentations for HyperKnowledge applications for Omnigon in Sorrento Valley, CA. Installed networks. Organized library. Learned MicroPlanner. Used Canvas, FrameMaker and Powerpoint.

### **Computer Sciences Corporation (San Diego) - 11/1991 to 4/1992**

#### **Business Analyst and Technical Writer**

Published Enterprise Integration and Management [wtholmes.com/eim](http://wtholmes.com/eim), specified data management plan and email-based change notification system. Used Word, Excel and Canvas.

### **General Dynamics, Data Systems Division (San Diego) - 5/1983 to 11/1991**

## **Process Architect and Technical Writer**

Developed "Solid Modeling Brief" sought by IBM, DEC, Matra Datavision, Computervision and others to introduce the new technology. Defined product development process and the information architecture required to support it for an enterprise integration project. Conducted vendor selection process. Learned Euclid solid modeler and Catia surface modeler. Evaluated Development Technologies International, The Netherlands with corporate-wide team. Wrote the DevTech Compendium, which was used to secure funding for Omnigon three years later. Used a business data modeler, MacWrite, MacDraw and Canvas.

## **Functional Manager, Project Manager, Business Analyst and Technical Writer**

Saved CAD File Control System (FCS) project by eliminating distrust, resolving conflict and writing requirements in pseudo code. The FCS was used by four GD divisions, Computervision and Hughes. Used a minicomputer-based word processing system.

Saved corporate-wide CAD/CAM Data Base Management System (CCDBMS) project by re-architecting system to limit contractor to Global Access Facility (GAF) and take advantage of File Control System. Initiated rapid-prototyping to establish the requirements for Parts and Tasks Information (PATI) system, including configuration management of all deliverables. Managed eighteen San Diego programmers, and coordinated the development of six-person team in Fort Worth and Groton. Demonstrated PATI and GAF to all Divisions. Used MacWrite, MacDraw, MacProject and MS Project. Learned Pascal, AXE, Forth, 6800 assembler, Model 204 DBMS programming and real time software design and modeling.

## **General Dynamics Convair (San Diego) - 1/1978 to 5/1981**

### **Project Manager and Business Analyst**

Supervised development of analysis sequencing, execution and data exchange system. Evaluated, specified, acquired and optimized utilization of graphic systems for computer-aided analysis (CAA), design (CAD) and process planning (CAPP). Represented company at IPAD CAE and CAM-I Solid Modeling meetings. Used IBM TSO.

## **Rockwell International, Los Angeles Aircraft Division (Los Angeles, CA) - 1/1973 to 1/1978**

### **Business Process Analyst**

Initiated inter-department data transfer process, and acquired minicomputer system to speed vehicle synthesis from conception through cutter path generation for wind tunnel models. Made flexibility tailoring possible. Used IBM MVS TSO.

## **California State Polytechnic University (San Luis Obispo, CA) - 6/1968 to 6/1971**

Received Bachelor of Science Degree with honors (3.1/4.0 GPA) in Aeronautical Engineering, where the motto is "Learn by Doing." Elected in absentia to chair AIAA student branch. Co-chaired Aero Royal. Converted hangar full of junk into useful education facility. Designed Aero logo still in use today. Played left wing and left half for varsity soccer team.

## TEST RESULTS

**SAT Kuder Occupational Interest Survey** - Chemist, Computer programmer, Engineer.

**Langdon Adult Intelligence Test** - 140 total I.Q., 99 percentile.

**Keirsey Personality Profile** - Equally INTP Architect: (designer of buildings and ideas, abstract design, exhibit greatest precision in thought and language of all the types; tends to see distinctions and inconsistencies in thought and language instantaneously), and INTJ Scientist (brings INTP designs into reality). Both are 1% of the population.

**MAPP Appraisal** - Inquisitive, exploratory, analytical, experimental, self-sufficient, goal-oriented, independent, considers people both philosophically and psychologically, engineering orientation, applies scientific/technical/logical thinking to identify, analyze, and solve problems, devise strategies and systems to achieve objectives, writes creatively at professional levels.

See [wtholmes.com/tests.htm](http://wtholmes.com/tests.htm) for complete results and descriptions.

**Note:** This document was derived from a database (808) using job title search criteria, so not all experience may be shown. For the total resume and other subsets, visit [wtholmes.com](http://wtholmes.com) to download your desired document and format.