

RESUME

William T. (Bill) Holmes

Wherever you want me to be.

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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 Further developed presentations and business plan, submitted unpublished full patent application, and solicited investors for the Blade Flyer.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.

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

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

Solid Modeling Student

Completed SolidWorks Essentials at Pacific Automation and Advanced Part Modeling, Advanced Assembly Modeling and Sheet Metal courses at home.

Designer

Invented spool-mounting device for wire carousel, and developed twenty-six page report of other improvements for Home Depot, thirteen of which are patentable. Used Canvas and Word.

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

Designer

Designed a group coordination and sensor fusion system, including all the screens of the touch-sensitive display of a rugged PDA-like device, and the structure and delivery systems for the sensor fusion system. Designed a secure communications hut. Used Canvas, VectorWorks and MiniCAD.

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

Designer

Designed for Omnigon a theme park ride system that uses a mass-producible three-passenger, gimbaled, spherical module with a video projected on interior, so ride motion and imagery can emulate any theme of the occupant's choosing, including multipart themes and interaction with other modules. Acceleration is provided by gravity and carousel centripetal force. Direction is provided by module orientation. Includes a six times acceleration of gravity (6 g) life-after-death ride. The ride experience can be radically changed and even customized for each patron without changing the expensive physical structures. Patron activity is tracked, so they can continue their theme park experience at a later date, and thereby motivate their rapid return. Developed presentation therefor. Used Word and Canvas.

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

Aerodynamicist

Performed aerodynamic analysis of 378 conceptual designs. Conducted low-speed wind tunnel testing. The HiMat highly maneuverable (9 g) Remotely Piloted Vehicle (RPV) was the only one built. Used various proprietary programs.

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 and Varian tools.

North American Aviation, B-1 Division (Los Angeles, CA) - 8/1971 to 1/1973

Aerodynamicist

Reduced B-1 wind tunnel data. Conducted wind tunnel tests. Automated data plotting. Used RPG and plotter.

National Science Foundation (San Luis Obispo, CA) - 6/1971 to 8/1971

Designer

Configured a portal to portal transportation system of vehicles powered with flywheels when not on magnetic levitation flyways. Co-authored A Generic Urban Planning Model for Urban Systems, GY-9159.

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. Designed and built a horizontal cable-supported cross-arrow refreshment kiosk for Aero Royal, which engendered a transfer invitation from the Architecture department to be a structural engineer.

NASA Dryden Research Center, Advanced Projects and Flight Operations (Edwards AFB, CA) -

6/1967 to 9/1967, 6/1969 to 9/1969 and 6/1970 to 9/1970

Designer

Designed propulsion, control and release system installations for Hyper III remotely piloted vehicle. Designed flight and ground support equipment for X-24 and HL-10 lifting body vehicles. Designed the paint scheme for all NASA Edwards aircraft. Supported X-15 engine tests and B-70 operations.

North American Aviation, Rocketdyne Division (Canoga Park, CA) - 6/1967 to 9/1967

Draftsman

Drafted Atlas test equipment and revised drawings.

U.S. Air Force Civil Engineering (Edwards A.F.B, CA) - 6/1966 to 9/1966

Draftsman

Designed water supply facility. Drafted engineering sketches. Ran blueprint machine.

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 for complete results and descriptions.

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