

Peter R. Stockhausen
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OBJECTIVE

A Mechanical Design Engineer position in an organization that will benefit from my initiative, capabilities, and contribution. I am especially interested in a position with the potential for advancement and increased decision-making responsibilities.

ACCOMPLISHMENTS

- Over 26 years of engineering, design and drafting experience.
- Checking of aerospace parts and assemblies.
- Teaching of Pro/Engineer CAD software.
- Compact packaging of parts for hand held medical devices and creation of ergonomic handle shapes to contain them.
- Extensive use of Pro/Surface and Pro/Mechanism and Solidworks.
- Routing and design of hydraulic tubing for a skid steer loader (tubes and hoses) using Pro/Pipe.
- Created an Access database of standard drawing notes with programming to ease the consistent creation of notes on drawings.
- Concept work on a hose routing from a rotating to a non-rotating section of a cell culture system.
- Modified an existing set of plastic parts to work in a new situation, arranged for rapid prototypes, passed the approved on to the manufacturer and inspected the first article.
- Designed and developed a number of programmed routines to make the drafting and design operations easier with various CAD systems.
- Concept design of military vehicles.
- Worked on the repackaging of a commercial color monitor in to a ruggedized chassis to be used in military vehicles.
- Drafting of ballast distribution and arrangement drawings for a scaled down model of a US Navy submarine.
- Drafting of electrical and hydraulic diagrams used on underwater remote controlled vehicles, hyperbaric systems and submarines.
- Design and drafting of gauges and test fixtures for steering mechanisms and in the manufacture, inspection and repair of jet engine parts and assemblies.
- Design of a mechanism to change paper in a sandpaper maker while the maker is running (material savings estimated to be over \$500k/year).

CAPABILITIES

- Skilled 3D modeler, Pro/Engineer and Solidworks user.
- Skilled in use of Pro/Sheetmetal, Pro/Pipe, Pro/Surface, Pro/PDM and Pro/Interlink.
- Other CAD systems: Computervision CADDs 4-X, CV Personal Designer, Applicon some exposure to NX4/6 (UG).
- E/M Packaging experience including computer chassis, computer monitors, electronics for medical x-ray systems and aerospace systems.
- Knowledgeable of plastic, sheetmetal and machined parts.
- Experienced in Aerospace (jet engines, satellites, flight controls and space experimental systems).
- Experienced in Marine (underwater remote operated vehicles and submarines).
- Experienced in Automotive (skid steer loaders, tractors, military vehicles and automotive switches and connectors).
- Additional areas of experience include transmissions, hydraulic actuators and valves, special machines, gauges, test fixtures, electrical and hydraulic diagrams.
- Experienced in the Oil Industry (measurement while drilling equipment).
- Programming skills using FORTRAN, Visual Basic, MS Access and other languages.

EMPLOYMENT HISTORY

Infotech Aerospace Services, Isabella, PR

Senior Design Analyst, January 2009 to present

Checking of drawings of jet engine and aerospace parts and assemblies. Review of solid models for accuracy and adherence to standards (NX4/6 and Pro/Engineer). Mentoring and coaching of junior drafters. Teaching of Pro/Engineer CAD software.

Pollak Switching Products, Canton, MA

Mechanical Designer, June 2005 to December 2008

Packaging, design and drafting of parts and assemblies used in automotive switches, sensors and connectors. Used Pro/ENGINEER.

Gillette Oral Care R&D, Needham, MA

Mechanical Designer, March 2003 to June 2005

Packaging, design and drafting of parts and assemblies used in hand held medical devices. Used Pro/ENGINEER and Solidworks on Windows 2000.

Concepts NREC, Woburn, MA

Mechanical Designer, Jan. 2001 - May 2001

Drafting and design of parts and assemblies used in turbomachinery (compressors, turbines ect). Used Pro/ENGINEER.

Sun Microsystems, Burlington, MA

Mechanical Designer, Oct. 2000 - Jan. 2001

Drafting of parts and assemblies used in rack mounted computer servers. Used Pro/ENGINEER .

Payload Systems, Inc., Cambridge, MA

Mechanical Design Engineer, Feb. 2000 - Aug. 2000

Drafting and design of parts and assemblies used in the Science Evaluation Unit for the Cell Culture Unit (an experiment platform to be used on the space station.) Used Pro/ENGINEER.

NCR Corp., Duluth, GA

Mechanical Design Engineer, April 1999 - Feb. 2000

Design and drafting of parts and assemblies used in point of sale computer terminals. Used Pro/ENGINEER.

John Deere Commercial Worksite Products, Loudon, TN

Mechanical Designer, Dec. 1996 - April 1999

Design and drafting of parts and assemblies used in skid steers. Used Pro/ENGINEER.

JI Case, Hinsdale, IL

Mechanical Designer, April 1994 - Nov. 1996

Design and drafting of parts and assemblies used in tractor transmissions. Used Pro/ENGINEER.

OEC Medical Systems, Salt Lake City, UT

Mechanical Designer, April 1993 - March 1994

Design and drafting of mechanical parts and assemblies used in portable x-ray systems for hospital use. Used Pro/ENGINEER.

Santa Barbara Research Center, Goleta, CA

Mechanical Designer, Jan. 1993 - April 1993

Design and drafting of mechanical parts and assemblies used in aerospace systems (LANDSAT 7). Worked both on the board and with ANVIL 5000 and Pro/ENGINEER.

Western Atlas International, Inc., Houston, TX

Mechanical Designer, April 1991 - Sep. 1992

Design and drafting of mechanical parts and assemblies used in measurement while drilling (MWD) downhole tools for the oil industry. Used CV4x.

Intel Corp., Hillsboro, OR

Mechanical Drafter, Oct. 1990 - Feb. 1991

Drafting and modeling of mechanical parts and assemblies used in computer electronics. Used CV Personal Designer.

Ingersoll-Rand, Davidson, NC

Mechanical Designer, Feb. 1990 - May 1990

Detailing and modeling of parts and assemblies used in industrial air compressors. Used CV4x.

Ford Powertrain, Dearborn, MI

Mechanical Designer, Nov. 1989 - Dec. 1989

Design of a fixture used in engine testing. Worked both on the board and on CV4x.

General Dynamics Land Systems, Sterling Heights, MI

Mechanical Design Engineer, May 1989 - Oct. 1989

Concept design of heavy military vehicles. Worked both on the board and on CV4x.

KMS Fusion, Ann Arbor, MI

Mechanical Designer, Jan. 1989 - April 1989

Drafting and design of mechanical parts and assemblies used in military electronics. Used Applicon Bravo 3.

NWL Control Systems, Kalamazoo, MI

Mechanical Designer, July 1988 - Dec. 1988

Drafting and design of parts and assemblies used in aircraft control systems and missiles. Used ANSI Y14.5 geometric tolerancing, military specs and Applicon Bravo 3.

Pratt & Whitney Aircraft, West Palm Beach, FL

Mechanical Drafter, Aug. 1987 - July 1988

Drafting of engineering drawings for parts and assemblies used on military jet engines and the PW5000 steerable nozzle (ATF). Used ANSI Y14.5, military specs and Computervision CADD 4x.

Perry Offshore, Inc., Riviera Beach, FL

Mechanical Designer, April 1984 - April 1987

Design and drafting of parts, assemblies, electrical and hydraulic diagrams and structures used on underwater remote operated vehicles (ROVs), medical hyperbaric systems and submarines. Design, drafting and maintenance of arrangement and ballast distribution drawings for a scaled down model of a US Navy submarine (LSV). Used the HOUGUIN CEADS-CADD computer graphics software on a HP1000, ANSI Y14.5 geometric tolerancing and military specs.

EDUCATION

Florida Atlantic University, Boca Raton, FL, B.S., Ocean Engineering, Dec. 1987

Curriculum includes structures, mechanics, acoustics, materials, fluid mechanics and other areas.