

## TECHNICAL DESIGNER

### Professional Summary

3D CAD designer with moderate experience in UG NX4, CATIA V5, Microstation, AutoCAD. Created drawing notes, Functional Tolerancing and Analysis and/or GD&T, and other relevant dimensioning such that the mechanic can readily assemble the 787 Dreamliner. Also experienced as IT Focal, internal and external communications administrator for JSC Program Integration team. More than 18 years in the Aerospace, Commercial and Defense industry with 13 years of Space Station experience. Used CATIA CAD tools to define or revise mechanical/structural engineering product definitions on the 787 program. I am also responsible for developing and maintaining mechanical and structural engineering product definition by preparing design layouts, modifying existing designs and resolving design discrepancies to satisfy customer and production requirements. Used UniGraphics (UG) CAD system, to develop and maintain mechanical/structural engineering product definition for the ISS program. Modified existing designs to satisfy customer and production requirements. Created low-fidelity 3D CAD models into workable sizes. Contributed to the integration of product definition across internal and external business partners to provide a functional end-product. Assisted with implementation of the basic set of requirements associated with standard models needed to support PDM/PLM systems and Lean Engineering tools.

### Core Qualifications

- Software/Applications: (3+) UG-NX2-4, CATIA, Microstation, AutoCAD, (15+) MS Word, Project, Excel, PowerPoint, MS Visio.
- Web technology: (5+) HTML, CSS (Macromedia, Frontpage)
- Language: (1+) C++, ( 2+) JavaScript, File Transfer Protocol (FTP)
- Operating Systems: (5+) Unix and Unix shell commands, Windows NT
- Databases: (2+) MS Access, (1+) SQL, Oracle

### Experience

06/2007 to 01/2010

Technical Designer Clique Brands i¼ New York City , NY

- Maintain mechanical/structural engineering product definition.
- Assist in the development of product definition based on applicable standards, requirements and design parameters.
- Modified existing designs and assisted in preparation of basic design layouts.
- Create the appropriate drawing notes, Functional Tolerancing and Analysis and/or GD&T, and other relevant dimensioning.

08/2003 to 06/2006

BSML Local Coordinator The Boeing Company i¼ City , STATE

- Created Tooling parts using CATIA V5 for Space Station Models database Supported Boeings Houston Design teams with validated standard part models in any Computer Aided Design application format Developed and managed the process for populating the Boeing Solid Modeling Library (BSML) with models and associated data that ensures compliance with standards.
- Created and distributed the desktop instructions for Houston site.
- Tracked and reported hours charged for project to the Site Manager on monthly basis.

06/1993 to 06/2007

Information Processor/IT Focal The Boeing Company i¼ City , STATE

- Maintained the team website for JSC Program Integration Office.
- This website is used to archive and distribute 3D CAD models to International Space Station customers for test, analysis and image data.
- Maintained and updated model release schedule in MS Project and uploaded to website.
- Retrieved and transferred models from local and remote databases across secure firewalls into local and remote areas using FTP procedures and UNIX commands.
- Acted as the liaison between the CAD Modeling team and the IT department.
- Recorded and logged computer problems and/or downtime for CAD team.
- Created Desktop Procedures for Web Page and CAD Model Database.
- Created CAD Model Access database for quality control and to maintain and track all 3D models released to the ISS user community.
- Participated in the SDLC process to create and maintain oracle database for test parts on the Space Station program.
- This database is a user interface database which contained flights/elements, interfaces, test data, procedures and problem reports, and image data.

### Education

Bachelors of Science degree : Information Technology University of Phoenix Information Technology

TRAINING/Certifications Unigraphics (UG) Modeling Training CATIA V5 AutoCAD ProE (intro) Microsoft Certified System Engineering (MCSE) Certificate Program for nine months in 1999

### Skills

3D, AutoCAD, basic, C++, Computer Aided Design, CAD, CATIA, CSS, Databases, Database, firewalls, Frontpage, FTP, File Transfer Protocol, Functional, drawing, HTML, image, Web technology, JavaScript, notes, Macromedia, mechanical, Access database, MS Access, Microsoft Certified, MCSE, Excel, Office, PowerPoint, MS Project, Windows NT, MS Word, Microstation, Modeling, Operating Systems, Oracle, oracle database, development of product, quality control, SDLC, SQL, System Engineering, Unigraphics, UNIX, Unix shell, user interface, Visio, website, Web Page