

Lyndi Howell

College Station, TX
Lyndi@PersonalEngineering.com

PROFESSIONAL EXPERIENCE

President / Co-Owner

Jan 11 – Present

Personal Engineering, LLC, College Station, TX

- Provides Engineering Support Services and Products to fulfill the Engineering and Drafting needs of sole proprietors to mid-size businesses
- Communicates with clients to provide quotes for Engineering and Drafting Services
- Performs structural design & analysis (analytical calculations and Finite Element Analysis (FEA)) of mechanical systems
- Models using 3D CAD software for mechanical and non-mechanical systems
- Drafts mechanical drawings (parts, weldments, and assemblies) of various projects
- Selects materials, components, and vendors to meet client goals
- Performs training and develops procedures for client needs
- Performs onsite project support and manufacturability assessments

Senior Mechanical Engineer

Nov 2005 – Jan 2011

Dynacon, Inc., Bryan, TX

- Managed multiple high profile jobs with multi-million dollar contracts
- Conducted meetings, design reviews, and facilitated status reports
- Ordered long lead items, procured raw material, and obtained quotes from vendors
- System design includes direct pull winches, a-frames, and telescoping skid
- Completed design packages for third party certification by Det Norske Veritas (DnV)
- Drafted parts, weldments, and assembly detail drawings

Engineer/Scientist - II

Feb 2003 – Nov 2005

The Boeing Company, Houston, TX

- Supported customer requirements within a close working relationship
- Managed project expenses using cost processing and estimation tool
- Scheduled projects and tracked progress using Microsoft Project
- Completed hardware delivery certification and acceptance
- Designed flight cable and produced detailed production drawings
- Supported C&DH Organization to implement process improvement

Intern/Drafter

Summer 1998-2001

The Boeing Company, Houston, TX

- Communicated technical issues within team
- Produced functional schematics showing pin-to-pin level connectivity between hardware components on International Space Station using Multilinx database tool and Pro-E software.

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Data Extractor and Importer, SHARP Student
NASA Johnson Space Center, Houston, TX

Summer 1997

- Extracted top level schematic information of the International Space Station and input the information into a series of four separate spreadsheets in Microsoft Excel
- Reviewed and approved imported spreadsheets of team members

SKILLS

- Proficient in 3-D modeling using SolidWorks
- Experience with in Solid Works Cosmos FEA
- Experience with AutoCAD, Catia V5, Unigraphics, and Mechanical Desktop
- Extensive experience with Windows Office Suite
- Working knowledge of basic shop equipment tools (lathe, mill, surface grinder, press-brake, machine punch, etc), common welding disciplines (MIG, TIG, and ARC), and CNC machine tools (plasma torch)

HONORS

- Selected for International Space Station Chief Engineer Office Mentorship Program
- Received Boeing Cash Award for Outstanding Achievement in 2004

EDUCATION

Texas A&M University

- Mechanical Engineering, B.S. – Dec 2002