

## LEAD DESIGNER

### Career Focus

An professional with experience in dealing with the optimization of complex processes or systems as well as providing steel framing solutions to residential and commercial applications. Dedicated engineer with excellent technical, analytical and communication skills demonstrated by 4 years of experience. Experienced CAD Drafter with solid knowledge of the practical application of engineering science and technology. Proven ability to manage multiple projects and meet critical deadlines.

### Skills

Certification: Six Sigma, Greenbelt

Technical experience with software platforms

Software/algorithm design and development

Engineering software

Software/algorithm design and development

Strong presentation skills

Process improvement

Team player

Mechanical design/implementation

Visual Basic; Inventor Fusion 2013;

- Project management
- Training program implementation
- Scheduling tools
- Laboratory evaporators
- Tube furnaces
- Synopsys Prime
- The Mathworks MATLAB
- Microsoft Visual Basic
- MS SQL Server 2008
- Arena
- Flow Layouts; and, Time Studies

### Accomplishments

#### Statistical Analysis

- Performed data collection and statistical analysis that resulted in sound recommendations that were adopted by department.

#### *Testing, Evaluation and Analysis:*

- Tested equipment to ensure compliance.
- Analyzed data and provided recommendations which resulted in adoption of new cost-saving equipment.

#### *AutoCad Software Utilization*

- Produced drawings and maintained, archived and retrieved CAD files and drawing documents for the completion of four commercial projects.

#### *Document Control*

- Served as document control specialist to design micro precision apertures, sheet metal enclosures, membrane switches and cabling, while following proper standards.

#### *CADD Training*

- Supervised and trained associate drafters.
- Organized and delegated projects according to co-workers abilities.
- *Drafting*

- Prepared sheet metal fabrication drawings, modifications and commercial specification drawings in compliance with company's drafting standards.
- *Applied Materials Drafting Standards*
- Prepared sheet metal fabrication drawings, modifications and commercial specification drawings in compliance with industry standards.

### *AutoCad Software Utilization*

- Produced drawings and maintained, archived and retrieved CAD files and drawing documents for the completion of four commercial projects.

### *Document Control*

- Served as document control specialist to design micro precision apertures, sheet metal enclosures, membrane switches and cabling, while following proper standards.

### *Project Management*

- Supervised project production efforts to ensure projects were completed to company standards, on time and within budget constraints.

### Professional Experience

Lead Designer 04/2014 to Current Company Name City , State

Managed numerous projects simultaneously within budgetary restrictions. Designed carts, frames, doors, panels, enclosures and brackets using Inventor and AutoCAD. Created mobile and modular custom container structures for variety of applications including storage, offices and mobile labs. Collaborated with engineers and project managers regarding design parameters for client projects. Operated computer-assisted engineering and design software to complete engineering tasks by deadline on an ad hoc basis. Drew sketches to accurate scale showing relation of proposed installations to existing facilities and exact specifications and dimensions.

AutoCAD Engineer 08/2013 to 05/2015 Company Name City , State

- During tenure, contributed to the development of Pride Park, Midlothian High School, Woods Chapel, Galveston Industrial, and Craig LF Partners.
- Independently Developed new and exciting products such as commercial and residential framework design.
- Created engineering and shop drawings for roofs and floor layouts, wall panels and trusses, deck designs and blue prints.
- Worked directly with local architects and contractors by preparing CAD work samples.
- Played an instrumental role at meetings and presentations; also built study and \*presentation models for display.
- Skills used: AutoCad 3D, Vertex BD, Key Truss 1.184, Steel Smart 7.0, SolidWorks, Blueprints, Shop drawings, Hilti Profis Anchor, Inventor Fusion 2013, Nitro Pro 8, vu 360, Steel View, Key Build Steel.

Designed carts, frames, doors, panels, enclosures and brackets using Inventor and AutoCAD. Resolved part and assembly discrepancies. Managed numerous projects simultaneously within budgetary restrictions. Designed carts, frames, doors, panels, enclosures and brackets using Inventor and AutoCAD. Collaborated with engineers and project managers regarding design parameters for client projects. Created mobile and modular custom container structures for variety of applications including storage, offices and mobile labs.

Project Engineer 08/2012 to 05/2013 Company Name City , State

- During tenure, contributed to a \$35 Million dollar facility expansion, reduced distance travel by 84% and time by 71%, increased production by 20% and, produced a rate of return. Assisted sales force in programming customer requirements and expectations while providing practical solutions. n of approximately 26%.

- Manufacturing facility layout planning using CAD designs.
- Created a team project journal, which served as a progress log.
- Skills used: Flow charts, spaghetti charts; time studies, cost analysis, Pareto's principle, and simulation.

Construction Aide 06/2006 to 05/2013 Company Name City , State

- Designed a plan for a leadership conference for young professionals.
- Developed budget and sponsorship packages to raise funds.
- Used Adobe Photoshop to design conference logo, which saved the chamber \$3400.
- Tested and monitored product safety, leading to safer electronic communications products.

Education and Training

Bachelors of Science : Industrial Engineering May 2013 Louisiana Tech University City , State

Industrial Engineering

Member of I.I.E Club

Advanced coursework in Industrial Engineering

Affiliations

Alpha Phi Alpha

National Society of Professional Engineers (NSPE)

Skills

Adobe Photoshop, AutoCAD 3, Blueprints, budget, CAD, charts, cost analysis, funds, layout, leadership, Lingo, logo, MathCAD, meetings, Excel, MS Office, Power Point, Word, MiniTab, presentations, progress, simulation, Six Sigma, SolidWorks, Vertex, View, Visual Basic