



*cost estimation, energy efficiency engineering, infrastructure engineering, project management, and construction-phase services.*

Operational:

- Updating and maintaining specifications
- Taking lead role in the mechanical, electrical and plumbing design of commercial building systems
- Analyzing and enhancing the design process in product testing for commercially viable improvements by maintaining knowledge of current available technology
- Quality control

Managerial:

- Leading, mentoring and supporting team of 5 trainee engineers, including workload and review
- Multi-discipline project design and construction management, including creating competitive edge through enhanced design efficiency and new products/materials
- Coordinating and executing major design initiatives with architects and owners to deliver best possible product
- Maximizing profit margins through project management, from design to maintenance

Achievements:

- Achieved high profit margin on technical inspection and commissioning projects
- Initiated and created company mission statement, improving client understanding of the company
- Enhanced company assets by improving versatility of trainee engineers

Skills gained:

- From my own initiative I gained an understanding of electrical engineering which benefitted the company greatly

Sept. '05–Jan. '09

***Project Manager***

**Johnson Consulting Engineers, Inc.**

*Austin, Texas*

*Johnson Consulting Engineers provide the architectural industry with mechanical engineering, electrical engineering and construction-phase services.*

Operational:

- Collaborating with architect on finding solutions for effective space design
- Spearheading brainstorming/problem-solving to maintain integrity of original design with improved products by utilizing available technology and green alternatives
- Construction document control, maintaining new and existing documentation with specifications and quality of work beyond compliance of code

Managerial:

- Project Management for commercial building systems (mechanical, electrical, and plumbing substructures), incorporating innovative approaches from concept to design
- Responsible for creating, improving, and maintaining client relationships

Achievements:

- New design for stairwell pressurization system, maintaining proper pressurization at each floor whilst servicing 34+ stories of mixed-use open garage and multi-family zones
- Successful relationships with clients and co-workers, uniting team into working to the completion of every deadline

Skills gained:

- Under my own initiative, gained a great deal of understanding of electrical engineering to help benefit company
- Technical knowledge of industry and increased understanding of how to create business excellence

Awards/promotions:

- Professional Engineering License

Jan. '03–Sept. '05

**Project Manager (Mechanical Design)**

**Green Anderson Engineering, Inc.**

*Fayetteville, Arkansas*

*Green Anderson Engineering provide the architectural industry with mechanical engineering, electrical engineering, cost estimating, infrastructure engineering and construction-phase services.*

Managerial:

- Management of 55 projects
- Developing new engineering specifications, defining resource requirements and supervising design reviews
- Leading inspections and testing
- Responsible for 6 design engineers in Fayetteville waste water treatment plant project, including safety of building operations, explosive gases, and complex electrical and mechanical requirements
- Creating successful client relationships as project lead and providing immediate solutions

Achievements:

- Secured \$60 million waste-water treatment plant project
- Increased efficiency by 50% by creating bespoke database for organized equipment
- Success in achieving personal goal of promotion to Project Manager from Mechanical Designer
- Exceeded company expectations by working 23 projects simultaneously, maintaining good communication throughout,

meeting deadlines and also mentoring 5 engineers in training

- Played important part in successful design of new company profit-sharing program to increase employee morale

Skills gained:

- Understanding of team leading
- Expanded knowledge of electrical and plumbing systems
- How to exceed client expectations

Awards/promotions:

- Promotion from Mechanical Designer to Project Manager

May'00-Dec.'02

**Mechanical Design Engineer**

**Jose I. Guerra, Inc.**

*Austin, Texas*

Operational:

- Calculations and designs for highly advanced systems (air distribution, fire suppression and smoke control) while preserving priceless artefacts (\$7.5 million Harry Ransom renovation project)

Achievements:

- Single-handedly improved coordination between disciplines, architects and civil and structural engineers with innovative design system to generate innovative solutions

**IT** .....

**Expert**

Autodesk Revit • Autodesk Architecture • Trace 700

**Proficient**

SolidWorks 2008 • Google SketchUp • MATLAB • MicroStation • Pro/E • 3D Studio Max

**PROFESSIONAL DEVELOPMENT** .....

| Course  | Awarding institution    | Year |
|---|-------------------------|------|
| State of Texas Professional Engineering License | State of Texas          | 2006 |
| Machine Shop Certification                      | University of Texas     | 1999 |
| Applied Materials                               | OSHA Training Institute | 2000 |

**PERSONAL INTERESTS** .....

- Woodwork: Design and creation of furniture that has interested buyers for over 6 years

**REFERENCES** .....

Available on request.