



**Crean & Associates**  
**AEROSPACE EXPERTISE**

*For when it **does** take a Rocket Scientist*

**1200 Lakeway Dr. Suite 7-A, Lakeway, TX 78734 (512) 337-6587**

## **Clark Anderson**

Self-motivated, achievement oriented and innovative licensed Professional Mechanical Engineer with 10+ years SolidWorks Design Experience seeking a position as a Senior Mechanical Design Engineer. Has demonstrated innovative, mechanical and structural designs for recognized and respected brands such as Peterbilt®, Traxxas®, and Schlumberger®.

### **ACHIEVEMENTS**

- Licensed Professional Engineer – State of Connecticut
- Awarded Patents: 7,887,074 (Rocker Arm Asm), 7,717,221 (Throttle Linkage) and 7,581,624 (Braking Pad Caliper).
- Pending Patent Applications: 20110131917 (Structural Adhesive Joint), 20110076146 (Structure and Straightening Vanes), 20060261613 (Bumper Mount).

Willing to relocate: Anywhere

Authorized to work in the US for any employer

### **Work Experience**

#### **Owner**

Sensible Living Inc - Cottonwood Shores, TX

2014 to Present

- Pursuing Mechanical Design Engineering contract work for local businesses using SolidWorks 2019.
- Learning industry disruptive digital marketing systems to help local, small businesses gain more customers through online marketing engines that work 24/7 to attract customers, build brand value and increase sales.
- Built, managed and optimized 3 online stores for conversions. Developed and optimized Facebook Ads and Social Media campaigns to generate high value traffic to the websites at minimal cost. Built and managed online membership site.

#### **Application Engineer/Project Manager**

Metfin - Suffield, CT

2013 to 2015

- Designed structural trusses for large, commercial blast room, using SolidWorks and SolidWorks Simulation (FEA).
- Developed testing procedures and criteria for evaluation of shotblast cabinet and shotpeening equipment performance.
- Successfully managed and implemented an innovative shot peening machine (\$1MM), which positioned our customer for market domination in their industry with the world's most productive shot peening equipment.
- Managed equipment structural design and assembly using SolidWorks for machine safety and CE marking compliance.
- Traveled to customer site in Spain as needed to support machine assembly, testing, optimization and final acceptance.

#### **Senior Mechanical Engineer**

Optiwind Corp - Torrington, CT

2011 to 2013

- Designed a scalable, high-strength, low-cost, geotechnical foundation for community-scale wind turbine using SolidWorks.
- SolidWorks and Enterprise PDM Administrator with CAD file management for a team of over 10 engineers and drafters.

### **Senior Mechanical Project Engineer**

Macton Corp - Oxford, CT

2011 to 2011

Successfully designed and managed the manufacturing and installation of a large locomotive turntable (116 ft diameter) for CSX in Cumberland, MD, which generated over \$100k in profit, in only a 6-month period using SolidWorks.

### **Senior Mechanical Engineer**

Optiwind Corp - Torrington, CT

2008 to 2011

- Successfully designed and managed the implementation of an innovative and patent pending highstrength, low weight, 3D space frame steel structure (43 ft diameter) for use in a wind turbine tower using SolidWorks and SolidWorks Simulation.
- Developed innovative, patentable, joining techniques for structural members.
- SolidWorks and Enterprise PDM Administrator with CAD file management for a team of over 10 engineers and drafters.
- Pending Patent Applications: 20110131917 (Structural Adhesive Joint), 20110076146 (Structure and Straightening Vanes)

### **Design Engineer/Project Manager**

Traxxas L.P - Plano, TX

2007 to 2008

Managed the new Traxxas® Blast and Traxxas® Rustler product launches and also a new boat design using SolidWorks.

### **Senior Design Engineer**

Peterbilt Motors Co - Denton, TX

2005 to 2007

Prepared design and manufacturing support for the 2007 Federal Emissions mandate. As part of the air flow group, we identified and implemented product improvements using six sigma. For example, I redesigned the installation intensive extruded rubber bellows and replaced it with a better-performing, easier to install, injection molded part.

### **Design Engineer/Project Manager**

Traxxas L.P - Plano, TX

2002 to 2004

- Privileged to be part of world-class team of engineers and designers responsible for the revolutionary new RC truck, the Traxxas® Revo and also championed the launch of a new radio control boat called the Traxxas® Villain EX using SolidWorks.
- Awarded Patents: 7,887,074 (Rocker Arm Asm), 7,717,221 (Throttle Linkage) and 7,581,624 (Braking Pad Caliper).
- Pending Patent Applications: 20060261613 (Bumper Mount).

### **Design Engineer**

Schlumberger - Houston, TX

2000 to 2002

Managed the design, testing and certification of a revolutionary new, low-profile, eccentric, sub-surface safety valve (7-inch size). Our customer in the North Sea was so thrilled with performance that many more safety valve orders were placed.

## Education

### **Master's in Business Administration**

Southern Methodist University - Dallas, TX

May 2008

### **MS in Mechanical Engineering**

University of Texas at Austin - Austin, TX

December 1999

### **Bachelor's in Mechanical Engineering**

University of Massachusetts-Dartmouth - N Dartmouth, MA

June 1998

## Skills

Solidworks (10+ years), Prototype Fabrication and Testing (10+ years), Structural Design Engineering (10+ years), Microsoft Office (10+ years), Solidworks Simulation (5 years), Mechanical/Structural Analysis (5 years), New Product Development (10+ years), Six Sigma (2 years), Design for Manufacturing (5 years), CAD (10+ years), Mechanical Design (10+ years)

## Certifications/Licenses

### **Licensed Professional Engineer - State of Connecticut**