



## **Junior Mechanical Engineer**

Singer Vehicle Design – Sun Valley, California

### **About Us:**

Since 2008, boutique restoration house Singer Vehicle Design, based in Sun Valley, California, has been sharing its obsession to celebrate the Porsche 911 – and with more than 100 commissions globally delivered to date, that obsession has been mastered through the craftsmanship of its artisan team and the ability to envision its clients' desires to reimagine the ultimate bespoke air-cooled 911. Through the highest levels of creativity, performance, engineering and technology – and now, partnerships with iconic and globally recognized organizations like Williams Advanced Engineering -- Singer has become THE symbol of why "everything is important."

This full-time position in our Sun Valley office, includes competitive vacation and health benefits.

### **JOB TITLE: Junior Mechanical Engineer**

The team at Singer Vehicle Design is current seeking a highly motivated Junior Mechanical Engineer with a passion in the automotive field. Our engineering program will give you the opportunity to gain meaningful and practical experiences, while working for a high-level engineering and design firm. The ideal candidate would have experience working on Formula SAE, or similar programs, and would also be currently engaged in the field of automotive engineering and design. The candidate will be responsible for assisting the engineering department with data entry, design, manufacturing, etc.

### **Core Requirements:**

- BSME Degree with 0-2+ years of experience in related field
- Demonstrated proficiency in the use of Solidworks, Catia a plus
- Generation of specifications, details, BOM's, and assemblies
- Proficiency in GD&T
- Manufacturing experience a plus
- Experience in 3D Scanning and reverse engineering

### **Specific Functions:**

- Work with senior engineering staff on various projects
- Prepare tech memorandums
- Prepare work instructions for production



- Prepare work instructions for sub-assembly items
- Develop component technical specifications, DVP&Rs, test plans as well as Statements of Work (SOW) as required
- Generate part number and BOMS's for various parts and assemblies
- 3D scanning of items and reverse engineering in CAD
- Review designs & drawings for completeness and accuracy
- Utilize root-cause approach on various engineering projects
- Run Should-Cost analysis on given projects

**Overall Work Characteristics:**

- Excellent problem-solving and analytical skills
- Strong and constant communication
- Self-motivation and the ability to work in a fast-paced, delivery-focused environment
- Solid foundation in mathematics, statics, and dynamics
- Capability to alter or modify designs to obtain specific functional and operational performance
- Interest or experience in automotive technology and vehicle dynamics
- Interest or experience in computer programming and numerical methods

***IMPORTANT NOTICE:***

*This position is not limited to those duties in the job description. Duties and responsibilities can be changed, expanded, reduced, or deleted to meet the business needs of Singer Vehicle Design. The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.*

*AAP/EEO Statement: Singer Vehicle Design (SVD) values a diverse workforce and as an Equal Opportunity Employer, SVD does not discriminate on the basis of race, creed, color, national origin, gender, religion, age, sexual orientation, disability, marital status, veteran status, or any other status legally protected by Federal, State, or Local law. SVD assures you that your opportunity with this Company depends solely on your qualifications and other job-related factors*

**Salary:** *Salary based on experience*

***Benefits Package:***

*Singer Vehicle Design Benefits Package consists of Medical, Dental, Vision, and Life Insurance, Aflac Supplemental/Indemnity Plans, Paid Time-Off (PTO), and eight company-paid holidays.*