

## PRODUCT ENGINEER

### Professional Profile

Seating Comfort Automotive Product Engineer seeking a Tesla Motors career to develop as a full vehicle engineer designing more automotive systems rather than only seat comfort components as a supplier. Strong working knowledge of Design for Manufacture. Classroom trained in GD&T with years of working implementation. APQP life of program experience including DVP&R and DFMEA documentation experience both in house and leading working reviews with end customers.

### Experience

Intel Corp. Hudson, MA Product Engineer 06/2014 to Current

- Design, Complete and release pneumatic electro mechanical seat comfort components, sub-system and detail designs, utilizing SMA wire technology and Plastics design with established design criteria and supplier engineering when required.
- Using Catia V5, Create 3D models and 2d drawings for in house manufacturing and outside suppliers and customers.
- Conduct performance and durability testing using data acquisition and create reports to demonstrate passing of OEM test performance specifications.
- Provide ongoing engineering support for existing product revisions.
- Collaborate with cross functional teams in project management, supplier quality, procurement, prototype, process development, metrology, tooling, incoming inspection to optimize Design for manufacture.
- Design tooling and test fixtures for seat comfort system testing as needed.

Aecom Coral Gables, FL Senior Process Engineer 06/2010 to 06/2014

- Reduced engineering scrap from 7% to below 1% of plant packed output by reducing manual calculations and eliminating human error from design.
- Provided technical engineering support for existing manufacturing processes.

Perkins Will Durham, NC Designer II 05/2009 to 06/2010

- Designer on the company's new electric hybrid turf mower.
- Created sheet metal part designs using Unigraphics NX6.
- Rapid prototype water jet design.
- Participated in DFMEA.
- Performed tolerance stack up analysis.

Epam Systems Inc Chicago Senior Product Designer 12/1999 to 05/2009

- Designed wheel hub/bearing ABS sensor units for automotive OEM's using CATIA V5 and Unigraphics NX models and detailed assembly/component prints.
- Participated in DFMEA's Regular design implementation of GD&T.
- Performed tolerance stack-ups for press fits and interface to customer assembly.

### Education

Mechanical Engineering Technology Wichita State University – Plus the equivalent in experience and 15 years of demonstrated ability

### Affiliations

Society of Automotive Engineers (SAE) Member since 2000

### Skills

3D, automotive, CATIA, data acquisition, engineering support, frame, functional, hub, inspection, manufacturing processes, Materials, mechanical, Mechanic, press, process development, procurement, Product Design, project management, quality, Unigraphics Vehicle Spy LIN control