

Diogo Andrade

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Objective: Work as Perceived Quality / GD&T Lead Engineer.

Summary

- Mechanical Engineer and Industrial Automation Technologist with over 15 years of experience in the automotive industry, working in global companies such as VINFAST and Ford Motor Company.
- Specialist in Perceived Quality (Craftsmanship), GD&T, DTS (Dimensional Technical Specifications), and DVA (Dimensional Variation Analysis).
- Extensive experience in technical engineering leadership, production process support, and global team integration (Brazil, India, Germany, Vietnam, Canada, and Argentina).
- Strong background in the development of checking fixtures (gauges), creation, and release of engineering drawings focusing on critical characteristics and appearance.

Experience

- **Perceived Quality GD&T/DTS Lead Engineer - VINFAST (MAR 2024 - PRESENT)**
Hanoi, Vietnam. Engineering lead providing technical support for all current vehicles and future company projects. Responsible for developing and leading the implementation of new drawing creation and release tools. Supported the plant engineering team to resolve engineering issues found during the production process.
- **DPA3 Engineer SR - Ford Motor Company (JAN 2024 - FEB 2024)**
Engineer responsible for the creation and release of drawings and critical appearance characteristics for the new Lincoln model to be manufactured at the Canada plant. Provided technical support for GD&T implementation and the conception of control fixtures (gauges) for major panels: Instrument Panel and Console.
- **DPA3 Engineer PL - Ford Motor Company (MAY 2012 - DEC 2023)**
Camaçari, Bahia, Brazil. Technical lead for gauges/checking fixtures for plastic parts of the New Ecosport, interfacing between Suppliers, Gauge makers, Engineering, and Purchasing. Developed Console, IP, Hardtrim, and Interior Covers for the new Ecosport, performing software validation and GD&T (drawings) for tooling and fixture release. Integrated and managed DVA teams in Brazil and India for technical support on new and future programs. Technical support for an exclusive program for the Indian market, building a complete digital model in software.
- **DPA3 Engineer JR - Ford Motor Company (SEP 2010 - APR 2012)**
Camaçari, Bahia, Brazil. Responsible for validating drawings with functional requirements for the New Ecosport rear suspensions and developing a new decking pallet system. DVA Engineer responsible for developing technical solutions for a new asymmetrical driveshaft with the Germany team (recognized for "Cost saver action to B562 unequal driveshaft implementation"). Implemented the Focus model at Ford Argentina, supporting manufacturing and Craftsmanship teams.
- **DVA Assistant & Intern - Ford Motor Company (JUN 2008 - AUG 2010)**
Camaçari, Bahia, Brazil. Developed DVA models for Ecosport rear suspensions (Twist Beam & Rear Subframe). Completely mapped the SBC line to anticipate

assembly/Craftsmanship issues for the Ford Ka development. Released and validated GD&T drawings.

Education

- **Universidade Salvador**
Mechanical Engineering (2010 – 2013)
- **Faculdade de Tecnologia Senai/Cimatec**
Industrial Automation Technologist (2006 – 2010)