

CONTACT



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Campinas - SP - Brazil



<https://allmach.github.io/>

EXPERTISE

- Expertise in Stamping Engineering such as Core Panels, Body Structures and Body in White;
- Large experience in 3D design **CAD/CAM** and 3D Scan tools such as **Catia V5, 3DX CATIA V6**, Solidworks, Teamcenter/Vismockup, Tebis V4 and Polyworks;
- Expertise in Siemens and **DELMIA** (Press Line Simulation through High Speed Press Lines, Die Validation Creation of die kinematics, collision check and project optimization;
- Technical Assessment to Product Development Engineering Department in terms of PDPD (Process Driven Product Development) using **Autoform** Software for Stamping Feasibility Assess. and **DFMEA** Concept for New Model Programs (Body Exterior & Body Structures);
- Technical Support to Purchasing Department through the **negotiation** of new tooling components for manufacturing field;
- **GD&T** Principles, Quality Improvements, 8D, Problem Solving, ISO9001 (Audit).
- Programming Python and Java languages, Data Engineering, **SQL mapping Backlog stories on JIRA** for Vehicle Data Control Centre focused on Customer Value.

ALLAN MACHADO

MANUFACTURING LEAD ENGINEER

I'm an Engineer, six sigma green belt certified, with more than 11 years of experience in sheet metal manufacturing process with a deep practical knowledge in tooling die design and die construction validation in terms of (process development, Tool & Die (Design and Buyoff approval), try out and Home line Try out. Working on a strategic programme definition and launch of dies into nominated press facilities, as well as providing the foundation to drive towards world class Stamping and BIW quality, cost and performance. At this occasion, I believe as professional, on development continuous skills for a better and relevant Company success.

WORK EXPERIENCE

STAMPING PROCESS SPECIALIST

Hyundai Motor Company - Brazil

Apr-2024 - Present

Lead Engineer with management approach in charge of Process and Quality Optimisation, managing the Strategic Decision and Negotiation for aquisition of New Equipments, Stamping Dies, and Tooling Automation, And deeply involved in Innovation Projects for Stamping Process Improvements.

MANUFACTURING PROGRAMME ENGINEER

Jaguar Land Rover - United Kingdom

Nov-2022 to Apr-2024

Electrical Manufacturing Architecture:

Engineer in charge of Electrical unit program management involved in ensuring delivery of the next-generation Electrical Vehicle Architecture (EVA) and Advanced Driver Assistance Systems (ADAS).

Key Core Activities:

- Providing leadership and guidance using 3D Experience and Catia V6, to be able to view and interrogate geometry integration;
- Communicate a technical concept and strategy vision to the wider vehicle and Power Train electrification teams in order to drive toward a single optimised roadmap using JIRA to track/manage impacts on Vehicle Programme;
- UNECE 156 for SUMS (Software Update Management System): Management assistance for software process evaluation to ensure compliance with automotive industry standards.

PRODUCT MANAGER / SCRUM MASTER

Ford Motor Company - USA (Remotely)

Mar-2022 to Oct-2022

Enterprise & Connectivity:

PM and SM of an Internal Web Application (Launch Scorecard, Features Usages Analysis, Vehicle Ecosystem Health and Security) for Business Intelligence and Data Storytelling working with PO's, Designers and Data Scientists to transform the product roadmap into features while managing the development team that makes all that possible.

EDUCATION

BACHELOR IN PRODUCTION ENGINEERING

University of Science and Technology
2005 - 2010
Location: Brazil

MBA IN PROJECT MANAGEMENT

Salvador University
2011 - 2012
Location: Brazil

MBA IN PRODUCT DESIGN

SENAI CIMATEC
2018 - 2019
Location: Brazil

INTRODUCTION TO BATTERY MANAGEMENT SYSTEM

University of Colorado Boulder
2021 - 2021
Location: Online Specialization

LANGUAGE

Portuguese - Native Tongue

English - Advanced

Spanish - Advanced

SENIOR PRODUCT ENGINEER

Ford Motor Company - Brazil
Oct-2021 to Mar-2022

Engineer in charge to provide technical assessment CAE Autoform Stamping Feasibility Simulation for BIW (Sheet Metal and Aluminium Parts) in terms of Cost Reduction such as Process Driven Product Design for Ford North America Programs.

With 20 ideas created and approved for implementation in last 18 months, I've contributed with U\$8.4 Mills of annual saving (U\$42 Mills in 5 years cycle time) for body structures; D&R skills improvement such as design release, attributes assessment (safety, durability, NVH and cross vehicle line analysis).

STAMPING PROCESS & FEASIBILITY ENGINEER

Ford Motor Company - Brazil
Oct-2011 - Oct-2021

Main VOME Stamping Engineer responsible for new Ford EcoSport, Ford Ka, new Ford Ranger and new Ford Focus working since the beginning of the program focused on RFQ, Die Design Review, Engineering Change cost reduction and lead time implementation improvements for the Stamping commodity until the launch, passing through for all Build event phases.

Program development and delivered: Ranger (T6), Eco sport (B515), New Fiesta (B299), Ka Brazil (B562), Focus (C346MCA), New Ranger (P375ICA), Eco sport Facelift (B515MCA), KA Facelift (B562MCA), New Eco sport (BX755-Canceled);

New SUV/Coupe (BX784/785- Cancelled) - Follow up Overseas Tool & Die suppliers in China.

In 2019, for BX755 program were 14 new die sets (54 dies) for 22 core panels to be produced in house, that with my technical support and discussion with suppliers for process improvements we achieve US\$ 2 Mills cost avoidance;

In 2020, I was fully involved on the quotation process for 100% Tooling Automation, performing DELMIA Simulation with Virtual SPM Requirements met according to the Cross Bar Feeder Press Line Specification for Core and Structures panels (major panels produced in house), since SOW elaboration until PO placement, supporting purchasing dept. with all technical information;

Also in 2020, as Lead Engineer in charge to implement the Try-out Stamping Press Installation Process going through RFQ process, Components Manufacturing, Pre-assembly at Manufacturer, Equipment Approval Test (Buy-off), Site Preparation Conditions before Site Opening, Rigging Plan Validation, equipment assembled and commissioning.

INTERNATIONAL EXPERIENCE

Company: Jaguar Land Rover

Oct-2023: Electrical RFT (Right First Time) Benchmark Nitra Plant;

Company: Ford Motor Company

Nov-2017 – Dec-2017: Leading the external supplier during the Buyoff process in China (Stamping Dies Construction for MCA – Mid Cycle Action Program) supplier follow up for 2 Die Sets of P375ICA program.

Jun-2014 – Jul-2014: Leading the external supplier during the Buyoff process in China (Stamping Dies Construction for Quality Improvements - 2 Die Sets Buyoff for B515MCA Program).