

Mohamed Bahaeddine Gasmi

Mechanical Engineer

+2 years of experience in creating innovative, cost-efficient designs & optimizing automotive structures. Certified and proficient at using multiple 3D CAD & FEA/CAE software.



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WORK EXPERIENCE

Mechanical Design Engineer - SPM Marquardt Automotive Tunisia

10/2019 – Present

Tunis, Tunisia

Mission, Projects & Tasks

- Department: Equipment's industrialization / Special purpose machines.
- Clients : Daimler, Volkswagen Group, PSA, Renault.
- Mission: Special purpose machines design for Automotive and Mechatronics products, testing, marking and quality control machines design.
- Process Standards: IATF 16949:2016.
- Machine elements design and selection (Bolts, Bearings, Linear guides, Springs, Tolerances, DFM, DFA)
- Technical solutions development with CAD works and 2D drawings using NX SIEMENS.
- Electropneumatic solution development and creation of pneumatic drawings using FLUIDDRAW.
- Prepare maintenance documents & security assessment.
- Documentation and transaction using Agile PLM et SAP.

Mechanical FEA Engineer Segula Technologies

10/2018 – 09/2019

Tunis, Tunisia

Mission, Projects & Tasks

- Mission: Conduct several FEA simulations to validate new concepts and provide design solutions.
- Clients: Renault, PSA, Airbus, Safran, Actemium.
- Projects: Automotive structures, Special purpose machines, interior equipment.
- Conduct Linear & Nonlinear Static Analysis using MSC NASTRAN (SOL 101/106/400) & ABAQUS.
- Perform Fatigue & Normal Modes Analysis using MSC NASTRAN (SOL 103)
- 2D, 3D meshing and preparing advanced model connections in ANSA 18 (welding seam lines, spot welds, adhesive lines, pretension, contact)

EDUCATION

Engineering Master's degree in Mechatronics

Ecole Polytechnique Internationale de Tunis [🔗](#)

09/2018

Tunis, Tunisia

Accreditation

- Label CTI EUR-ACE

SKILLS

CAD

FEA

Sizing & calculation

2D Drawings

Nastran

Solidworks

NX Siemens

PTC Creo

CATIA V5

ANSA

Abaqus

Six Sigma

FMEA

Project Management

Presentation

3D printing

CERTIFICATES

11 x MSC Nastran & Patran [🔗](#)

(Sol 101/103/105/107/111/113/200/400)

7 x MSC Adams [🔗](#)

(Fundamentals, Optimization, automation, solver, control, automotive)

6 x Solidworks Professional [🔗](#)

(Sheet metal, Drawings, Molding, Weldments, Simulation, Surfacing)

6 x NX Siemens [🔗](#)

(Part Design/ Assembly Design/ Drawings)

4 x CATIA V5 [🔗](#)

(Part Design/ Assembly Design/ Drawings)

3 x PTC Creo [🔗](#)

(CAD, Drawings, Simulation)

3 x Microsoft Office Specialist [🔗](#)

Word, Excel, PowerPoint

TRAININGS

RWTH Aachen - Germany (06/2018) [🔗](#)

60H of summer school program: Six Sigma Quality management

Ennakl Volkswagen - Tunis (01/2018) [🔗](#)

45H of Automotive diagnostic training

Parentin Caterpillar (01/2017) [🔗](#)

45H of heavy machinery technician training

LANGUAGES

English IELTS C1

Full Professional Proficiency

French DALF C1

Native or Bilingual Proficiency

Arabic

Native or Bilingual Proficiency

German

Limited Working Proficiency

INTERESTS

Automotive

Robotics

Traveling

Sport