

MOHAMED BAHAEDDINE GASMI

Mechanical Engineer

- 2 years of experience in creating innovative, cost-efficient designs & optimizing automobile structures.
- Certified and proficient at using multiple 3D CAD & FEA/CAE software.
- Able to work in a challenging multidisciplinary environment with good communication & presentations skills.



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PROFESSIONAL EXPERIENCE

October 2018 - present

SEGULA Technologies - Tunisia

Automotive FEA Engineer

- **Clients: Renault group , Lada Avtovaz, Zodiac Aerospace**
- **Mission: Use FEA to evaluate new car models Designs**
- Linear & Nonlinear Static Analysis (MSC NASTRAN/ABAQUS)
- Normal Modes & Fatigue Analysis (MSC NASTRAN)
- Advanced model connections, Welding Seam lines, Spot welds, Adhesive lines, Pretension, Contact (BETA ANSA 18)
- 2D, 3D Meshing & preprocessing (BETA ANSA 18)
- Reports & Post-processing (BETA METAPOST 18)

March 2018 - present

MEEE Services - USA

Mechanical Engineer Freelancer

- **Field of work: Robotics, SPM, Consumer products**
- Design special purpose machines & robots (Solidworks 2018)
- Played integral role in patent creation of new drone concept for oil and gas pipelines inspection
- Offer project planification & cost control techniques
- Prepare client workshops & project management reviews

April 2018 - October 2018

SEGULA Technologies - Tunisia

Graduation Project - Automotive FEA Department

- **Mission : NVH Analysis & Optimization on Renault Twingo**
- **Results : Decreased The transferred Noise by 30%**
- Optimized weight/strength ratio with the use of composites
- Completed training program (CATIA V5, ANSA, NASTRAN)
- 2D/3D Meshing & connections modeling (BETA ANSA 17)
- Static & Vibroacoustic analysis (MSC NASTRAN)

June 2017 - August 2017

Bontaz Centre - Tunisia

Mechanical Design Intern - Industrialization Department

- **Mission: Design of a PMMA CNC Laser Cutter machine**
- Machine element design & CAD (PTC Creo 4.0)



EDUCATION

2013 - 2018

Ecole Polytechnique Internationale Privée de Tunis - Polytech Intl

Engineering Master degree in Mechatronics Accredited by EUR-ACE



CERTIFICATION

- 8 x MSC NASTRAN & PATRAN
- 6 x SOLIDWORKS
- 6 x MSC ADAMS
- 3 x PTC CREO (CAD & FEA)
- CATIA V5 Essentials
- Microsoft Office Specialist



TRAINING

- 60H summer school program: Six Sigma & Quality management (RWTH Aachen & WZL)
- 70H training: Heavy machinery (Caterpillar)
- 70H training: Automotive (Volkswagen)



LANGUAGES

English - IELTS 7.0 C1

French - DALF C1

Arabic - Native Speaker



LINKEDIN

<https://www.linkedin.com/in/mohamed-bahaeddine-gasmi>