

Mechanical & Stress Engineer

Tunis · 1 à 3 ans d'expérience · Réf. 2607311643

Ma recherche

Contrat recherché : Tout contrat

Zone : Toute la France

Mobilité : sur toute la France

Rémunération : à étudier

Secteur : Bâtiment

Formations

09/2024 — Bac +5 — National Engineering School of Tunis (ENIT)

Mechanical Engineering

06/2021 — Bac +2 — Faculty of Sciences of Tunis (FST)

Preparatory cycle – Engineering School Entrance Exam

Expériences professionnelles

10/2024 - à ce jour — Stress Engineer

Perform non-conformity assessment and structural justification for aircraft components; prepare repair justification reports including static, fatigue, and damage tolerance analyses; verify non-conformities against allowable limits according to Airbus SRM; develop structurally justified repair solutions; contribute to aircraft life extension studies from 48 /000 to 60 /000 flight cycles; tools & methods: SAP PAC, static analysis, fatigue analysis, SRM, F&DT.

02/2024 - 05/2024 — Final Year Project Intern

Developed systematic methodology for hyperplastic material model selection; converted experimental test data into calibrated material constants; built analytical baseline calculations for sealing system behaviour; performed 2D and 3D FEM simulations using Siemens NX; validated numerical results against analytical predictions; tools: Siemens NX, FEM, hyperplastic modelling, linear regression.

07/2023 - 08/2023 — Engineering Intern

Developed thermo mechanical FEM models of WAAM manufactured parts; programmed thermal models and automation scripts using Python and Fortran; applied Taguchi Design of Experiments for parameter optimisation; simulated additive manufacturing processes to predict residual stresses; tools: Abaqus, Python, Fortran, DOE, MiniTab.

Langues

Arabic (maternelle), French (maternelle), English (courant), Spanish (notions)

Atouts

Caesar II, SolidWorks, CATIA, Siemens NX, Abaqus, Ansys, Nastran, Patran, Isami, SAP PAC, Excel, Python, SQL, C, Fortran, Finite Element Analysis (FEA), Stress analysis, Fatigue analysis, Design of Experiments (Taguchi), ASME B31.3/B31.4 compliance, ASME Section VIII pressure vessel design

Fiche anonyme — l'identité et les coordonnées du candidat sont communiquées aux recruteurs qui en font la demande sur pmebtp.com.