



Etienne Calderón

Mechanical Design Engineer

Education

Polytechnic University of Catalonia, Spn

MSc. in Numerical Methods in Engineering | 2021-2023

University of Guanajuato, Mx

BSc. Mechanical Engineering | 2015-2020

SSC Group and Technical Institute Sanmiguelense, Mx

Diploma of Plastic Parts Design | 2023

Training Institute of Guanajuato, Mx

Diploma of Mechanical Design | 2021

SSC Group and Technical Institute Sanmiguelense, Mx

Diploma of CFD Fluid Mechanics | 2020

Polytechnic University of Madrid, Spn

Expert in Solid Mechanics | 2020-2021

Innovations & Entrepreneurship Business School, Spn

Data Science and Machine Learning | 2020-2021

Contact information



+52 4731220542



enn.calderon@hotmail.com

etienne.calderon@estudiantat.upc.edu

Soft skills

Leadership
Proactive
Responsibility
Critical observation
Adaptability
Logical reasoning
Persistence
Analytical thinking
Teamwork
Decision making

Languages

Spanish

Native

English

IELTS 7.0 - C1

French

A1

Work Experience

Product Development and Mechanical Design Engineer

Schaeffler | 2023-present

- Design, calculations and FEA of Housings (intelligent Rear Wheel Steering) for a recognized automotive japanese brand.
- Finite Element Analysis for production processes validation and validate them against experimental procedures.
- Carrying out the changing of material to decrease cost of an actuator component by using FEA.

Design Engineer

CAHECOMI | 2019-2020

- FEM analysis of structural elements and accessories to mining machinery
- Cost reduction due to material optimization of over 8%

Courses and certifications

CATIA V5 Fundamentals

CATIA V5 Mechanical Design Expert

CATIA V5 For Surfaces

AutoCAD Mechanical

SolidWorks CSWA

SolidWorks CSWP

SolidWorks Weldments

SolidWorks Sheet metal

GD&T

Introduction to ANSYS Mechanical

Introduction to ANSYS Fluent

ANSYS SpaceClaim

Introduction to ANSYS Meshing

Introduction to ANSYS DesignXplorer

ANSYS Fluent Heat Transfer Modeling

ANSYS Fluent Rotating Machinery Modeling

ANSYS Mechanical: Non-Linear

ANSYS Discovery

ANSYS Mechanical Linear

and Nonlinear Dynamics

CFD Foundations

Lean Six Sigma Green Belt

SCRUM Master

OKR Certified

Core Tools

SPC (Statistical Process Control)

Internal auditor ISO 9001:2015

Internal auditor IATF 16949:2016