LUIS MIGUEL GUZMAN PEREZ

AERONAUTICAL ENGINEER & FULL STACK DEVELOPMENT

PERSONAL INFO

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📍 ADDRESS
ZIPAQUIRÁ, COLOMBIA

ABOUT ME

Aeronautical Engineer. UAEAC Licensed Aeronautical Specialist Engineer (IEA). SolidWorks certified CSWP. 8 years of total experience, with 5 years in design for manufacturing (DFM) field and 3 years in project management. Achiever under pressure with great performance in critical environments. Fast learner, always working under strict ethical principles, responsibility, and honesty. Interested in high-impact engineering projects, research and motivated to innovate on products, processes, and services.

Broad experience working on:
- 2D/3D CAD for mechanical parts/assemblies manufacturing.
- Design, reverse engineering, and manufacturing of mechanical components and ground support equipment.
- High-scale engineering projects management.
- Heat treatment planning and carrying out.
- Management of aeronautical projects for the Colombian Ministry of Defense.

RECENT EDUCATION

JAN 2021 - CURRENT
UNIVERSITY OF HELSINKI
Full Stack Open course 2021 edition, a deep dive into modern web development.
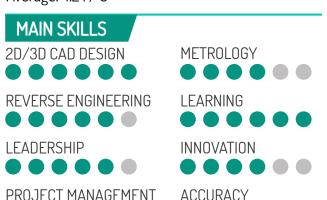
SEP 2020 - DIC 2020
UNIVERSIDAD NACIONAL DE COLOMBIA
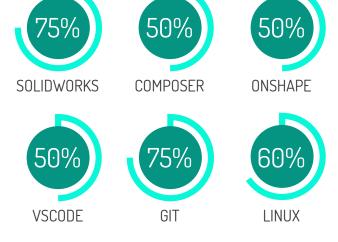"Mision TIC 2022" program of the Telecommunications Ministry Colombia's government

FEB 2010 - MAR 2017
FUNDACIÓN UNIVERSITARIA LOS LIBERTADORES
Aeronautical Engineering. Academic Cumulative Average: 4.24 / 5

MAIN SOFTWARE SKILLS

75% SOLIDWORKS
50% COMPOSER
50% ONSHAPE
50% VSCODE
75% GIT
60% LINUX

MAIN SKILLS

2D/3D CAD DESIGN
●●●●●

METROLOGY
●●●●●○○

REVERSE ENGINEERING
●●●●●●○

LEARNING
●●●●●

LEADERSHIP
●●●●○○○

INNOVATION
●●●●●○○

PROJECT MANAGEMENT
●●●●○○○

ACCURACY
●●●●●○○

LANGUAGES

SPANISH
●●●●●

ENGLISH
●●●●○○

WEB LANGUAGES

HTML
●●●●●○○

CSS
●●●●○○

JAVASCRIPT
●●●●○○○

REACT
●●●●○○

WORK EXPERIENCE

1 — FEB 2019 – CURRENT
SAHAR GROUP LLC

Project Engineer. Design for manufacturing (DFM) projects for the Aerospace / Defense industry.

2 — JAN 2015 – JAN 2019
CIAC S.A.

Technical Coordinator and Quality Control Representative for Engineering Laboratory.

3 — JUL 2014 – DEC 2014
CIAC S.A.

Intern at Engineering Lab. 3D CAD Design, reverse engineering, aeronautical parts manufacturing.

4 — NOV 2012 – JUL 2013
AIRBOG S.A.S.

3D CAD design of systems and mechanical parts, analysis and computational simulation.

PROJECTS

1 — MAY 2018 – JAN 2019
CIAC S.A.

Boeing 707 (KC-137) "Zeus" disassembly, ground transport and assembly at Aerospace Museum.
ROLE: PROJECT MANAGER / LEADING ENGINEER

2 — SEP 2017 – DIC 2017
CIAC S.A.

Conceptual Design of "Equites" UAV for Corporación de la Industria Aeronáutica Colombiana S.A.
ROLE: PROJECT MANAGER / LEADING ENGINEER

3 — JAN 2017 – APR 2017
DESIGNING INNOVATION S.A.S.

DiBox design and manufacturing. Fixed wing and quad copter electronics box.
ROLE: DESIGN ENGINEER / ENTREPRENEUR

4 — SEP 2014 – DEC 2016
CIAC S.A.

Design, manufacturing and management of Aeronautical Structure Test Center.
ROLE: PROJECT ENGINEER / LOGISTICS MANAGER

5 — OCT 2015 – JUN 2016
COLOMBIA'S MINISTRY OF DEFENCE

Design, manufacturing and management of UAV "Quimbaya"'s Communications Shelter.
ROLE: PROJECT ENGINEER / LOGISTICS MANAGER

6 — NOV 2012 – JUL 2013
AIRBOG S.A.S.

AirBog Dynamic Dispenser Project (ADD). Fitness consumables dispenser.
ROLE: DESIGN ENGINEER

7 — NOV 2012 – JUL 2013
AIRBOG S.A.S.

Free fall simulator. Conceptual design of a Skydiving complete experience simulator.
ROLE: DESIGN ENGINEER

ADDITIONAL COURSES

DEC 2020 – UNIVERSIDAD NACIONAL DE COLOMBIA
PROGRAMMING FUNDAMENTALS

JUL 2020 – PLATZI
ECMA SCRIPT ES6+

JUL 2020 – PLATZI
ASYNCHRONOUS JS

JUL 2020 – PLATZI
JAVASCRIPT – FUNDAMENTALS

APR 2020 – PLATZI
JAVASCRIPT – BASIC

APR 2020 – PLATZI
FRONT END DEVELOPER

APR 2020 – PLATZI
ONLINE WEB DEVELOPMENT

APR 2020 – PLATZI
SPA VANILLA JAVASCRIPT

APR 2020 – PLATZI
GIT & GITHUB PROFESSIONAL

MAR 2020 – PLATZI
COMMAND LINE

MAR 2020 – SOLO LEARN
HTML-CSS–JS FUNDAMENTALS

FEB 2020 – GRASSHOPPER APP
FUNDAMENTALS OF JAVASCRIPT

FEB 2020 – PLATZI
BASIC PROGRAMMING

JAN 2020 – PLATZI
REACT.JS

MAY 2019 – SOLIDPROFESSOR
PREP COURSE FOR THE CSWP

MAY 2019 – SOLIDPROFESSOR
DESIGN INTENT

MAR 2019 – SOLIDPROFESSOR
GD&T FORM AND ORIENTATION

FEB 2019 – SOLIDPROFESSOR
GD&T ESSENTIALS

JAN 2019 – SOLIDPROFESSOR
PREP COURSE FOR THE CSWA

AND SEVERAL OTHERS....