Franco Rojas Parodi
Mechanical Engineer

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GitHub ↖ Portfolio

Profile

Mechanical Engineer from Polytechnic University of Valencia, with a minor in Machine Design. Additionally, a self-taught programmer, specialized in Python. Motivated in working for projects involving engineering in different industries such as renewable energies, aerospace, materials, AI and automation. Always looking for opportunities to broaden my horizons, whether it's by studying foreign languages or tackling new engineering challenges. Values the consolidation of personal relationships. Confident that he can bring value to any team, with adaptability, technical and soft skills.

Skills

SolidWorks | Autodesk AutoCAD | Autodesk Inventor | PTC Creo Parametric | KISSsoft | KISSsys

Python | PyCharm | GitHub | Git | NI Labview | Matlab | Wolfram Mathematica | M Language

EPANET | Ansys Granta EduPack | Adobe Acrobat Pro DC | Adobe Premiere Pro | Adobe Photoshop

Microsoft Project | Microsoft Office | CYPE Arquimedes | Canva | FESTO FluidSIM | MeshLab

Professional Experience

Freelance Translator   Jan 2023 – present
Worked on multiple platforms, such as: Fiverr, ProZ, Rev and HappyScribe. The jobs were done between three languages: Spanish, English and French.

- Translated subtitles, technical documentation and curriculum's, from Spanish to English and English to French
- Translated websites from Spanish to English
- Performed transcriptions

Machine Design Intern, *Talleres Mector S.L.*   Dec 2021 – May 2022
In charge of the design and analysis of industrial machinery from multiple   Spain
sectors, as well as conducting budgets and contacting clients and suppliers.

- Developed detail and assembly drawings of industrial machines
- Executed calculations on machine elements
- Prepared budgets and technical documentation
- Great affinity with work colleagues and supervisors

Maintenance Engineering Support, *Cartones Villa Marina S.A.*   Feb 2017 – Apr 2017
Responsible for the support in engineering maintenance-related projects of the   Peru
corrugated carboard factory.

- Supervised detail and assembly drawings
- Organized digital information for the use of enterprise
- Great affinity with work colleagues and supervisors

Education

Bachelor's Degree in Mechanical Engineering,
Polytechnic University of Valencia

Sep 2019 – Aug 2022
Spain

Mechanical Engineering Student, *Pontifical Catholic University of Peru*

Mar 2015 – Jul 2019
Peru

Courses

Python Basics for Data Science, *online course from IBM* ⧉

May 2021

Neumatics & Hydraulics, *on-site course from UPV*

Jul 2021

Robotics: Elements & Subsystems, *on-site course from UPV*

Jan 2022

Electric Cars: Introduction, *online course from TU Delft* ⧉

Sep 2020

Introduction to Aerospace Engineering: Astronautics and Human Spaceflight, *online course from MIT* ⧉

Jul 2020

Introduction à l'Astrophysique, *online course from EPFL* ⧉

Jun 2020

Languages

Spanish (Native)

English (C1 Level - Cambridge First Certificate in English (FCE) Studied in bilingual school)

French (B2 Level - Certificate DELF B2 in Institut Français d'Espagne)