Jesús Rodrigo Pérez Delgado
CAD Engineer / Mechanical Engineering student

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Profile

I am a mechanical engineering student, with knowledge in design programs such as AUTOCAD, CATIAV5, SolidEdge and SolidWorks. In addition to my knowledge in the design area, I also have knowledge in programming (JavaScript and Python), I also have knowledge in finite element analysis, using programs such as Altair (Hypermesh and Inspire), I like to work in a team, I adapt well to the pace of work and I like challenges.

About me

I am a committed person, dedicated to what I like and always looking to improve. I like to work in a team, hoping to contribute my experience and learn from others. In my free time I play videogames, read, hang out with my loved ones and study about topics that I like a lot such as mechanical design and finite element analysis.

Experience

June/2023 - Actuality
Mechanical designer in GEMA MX (Engineering intern)

Development of projects for different customers, from design in Solidworks to drawings to send to manufacture the equipment that were designed mainly in sheet metal and structures with different types of profiles, in addition to making approval drawings for the customer in AutoCad. Automation of parts with macros in Solidworks.

February/2023 - June/2024
Mechanical Subsystem in Cuauhtémoc IPN(Aerospace)

Mechanical design, using CATIA V5 or SOLIDWORKS, within my tasks is the planning of both design and manufacture of CanSat type picosatellites, elaborating designs based on certain restrictions.

February/2022 - February/2023
Developer web full stack in Pack&Pack and Karggu

Development of new functionalities for the platform, maintenance and implementation of new web systems depending on the needs of the company's customers. In addition to managing tasks, planning and assigning duties to the rest of the team, as well as training new team members if necessary.

November/2020   - December/2020
Freelance

Design, planning and coding of loanding pages and web aplications for business in the United States and México.

2019 - 2021
Mentor and customer service at Dekids

Delivered sessions on web development, soft skills, entrepreneurship and videogame creation to children from 8 to 13 years old. Also customer service and customer follow-up to know what was their experience with us.

Education

2021 - Actuality
IPN ESIME Azcapotzalco, CDMX
Eighth semester Mechanical Engineering student.

2019 - Actuality
Autodidact
Learning through videos, courses, reading documentations of the technologies, learning how to use tools such as CATIA, SOLIDS, AUTOCAD, etc.

August/2024
Certified SOLIDWORKS Associate
Certificate ID: C-3S84PZFGCB

June/2023 - August/2023
White Belt Certification (Lean Six Sigma)
Lean Six Sigma Methodology Certification.

2024-2024
Winner of the month in Altair Student Global Contest
Application of topological optimization to one of the parts of a CanSat type satellite beak, helping to reduce the weight but without losing its mechanical properties and suffering the least possible deformation during its use. Evidence link: https://www.linkedin.com/feed/update/urn:li:activity:7194055861235847168/

Software skills

Solidworks, CATIA V5, Excel, AutoCAD, Solid Edge, Inspire, Hypermesh, Hyperworks

Interests

Mechanical design Artificial Intelligence CAD Solidworks G&T FEM Analasys Team work methodologies Altair OptiStruct Teaching Agile methodologies

Social media

https://briefcase-one.vercel.app

www.linkedin.com/in/jesus-rodrigo

github.com/jesusrpd

Skills

JavaScript
Python
Macros Solidworks
Finite element method

Lenguages

Spanish: Native   English: Basic