



Rodrigo Moreno Juárez


Mechanical design. Innovative product development.

Experience in computer-aided design, rapid prototyping and 3D printing, with strong foundations on innovation theory and application.

Innovation and Development Engineer · Mechanical Systems

Monterrey, N.L. (open to relocation)

Contact

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rodrigomoju.com

Skills

- SolidWorks
 - Certified SolidWorks Professional (CSWP) – Mechanical Design
- Fusion 360
- Scrum (agile)
- GD&T
- MATLAB
- Python / C++
- Minitab
- Excel

Languages

Español Mexican citizen
Native

English U.S. citizen
PTE General C2
TOEFL iBT 114

Français
DELF B1

Other interests

Specialty coffee, leather, photography, architecture, interior and graphic design, poetry.

Experience

3D Printing Intern Heineken México

Mar. 2023 - Mar. 2024 | Monterrey, N.L.

Modeling, printing and management of spare parts in bottling lines. Reverse engineering and original designs. Direct reporting to engineering leadership using visual tools. **More than 2.5 million MXN saved.**

Product Development Engineer (academic project)

Protexa XLAB Sep. - Dec. 2023 | Santa Catarina, N.L.

Development of *Freezo*, a smart thermometer for refrigeration systems. Opportunity and needs identification, agile product development, and enclosure mechanical design for 3D printing. **Functional prototype built.**

Innovation Consultant (academic project)

Questum Mobility March - May 2023 | Monterrey, N.L.

Proposal of an innovation project portfolio, prioritized by technological horizons. Technology monitoring (S-curves, tech cycles) & roadmapping.

Achievements

Academic

Tecnológico de Monterrey

- Valedictorian – Best Average, Major & Class of December 2023, 99
 - Class of 1500+ graduates; International Diploma
- School of Eng. Award to Students with Highest Averages (2020)
- Valedictorian – Best Average, Class of 2019 (PrepaTec Honors)

Extracurricular

Tec de Monterrey & NASA Johnson Space Center

- Development Diploma – Transformative Social Leadership (2023)
- Carnero (leadership), FETEC (student gov.) & MUNMX (2018-2019)
- Space Center University – First Place Martian Habitat (2018)
- Space Center University – Third Place Rocket Launch (2018)

Education

Tecnológico de Monterrey, Campus Monterrey

Innovation and Development Engineering | Aug. 2019 - Dec. 2023

Oregon State University, Corvallis

Mechanical & Aeronautical Engineering | Exchange Program
March - June 2022 (on campus) | 3.78 Institutional GPA