



Moroni Alfredo Rendón Chávez

Engineer Mechatronics

CONTACT

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EDUCATION

DEGREE IN MECHANICAL ENGINEERING

Universidad Tecnológica de Torreón. August 2014

TECHNICAL IN MECATRONICS AREA FLEXIBLE MANUFACTURE SYSTEMS

Universidad Tecnológica de Torreón. December 2012

SKILLS

- CAD, CAM design
- PLC programming
- Programming and operation of distributed control systems DCS
- Control of industrial processes
- Mining benefit plant and ESDE
- 5's philosophy
- Wide handling in office parcel

ABOUT ME

I am Responsible, helpful, hardworking and enterprising. I have leadership and I like teamwork, I have excellent deal with customers. I have focus in goals and I have good attitude towards the challenges

PROFESSIONAL EXPERIENCE

Name of the company: MINERA Y METALÚRGICA BOLEO SA DE CV, Santa Rosalía, BCS., México.

Job: Process Control Supérvisor

Sector: Minning and Metallurgical.

RESPONSIBILITIES:

- Make adjustments, calculations and decision making to obtain a quality product, in a safe and efficient way.
- Supervise the control of critical variables (flows, levels, temperature, pH, concentrations and other parameters) in the process of cementing cadmium, solvent extraction, refining, production of metal cobalt and zinc sulfate monohydrate.
- Operational personnel management
- Reading and Interpretation of Piping and Instrumentation Diagrams

Achievements::

- I started up equipment such as (pumps, filters, heat exchangers, mixers, etc.) Performing all corresponding tests (Electrical, Mechanical and Instrumentation)
- I Started up of Cobalt and Zinc solvent extraction plant
- I Develed and prograded files for the control of variables throughout the extraction area.

Period: Curren employe (Sience April 2015).

Name of the company: Metalúrgica Met-Mex Peñoles S.A de C.V.

Job: Process Engineer.

Sector: Mining and Metallurgical.

RESPONSIBILITIES:

- Programming in Delta V and automate industrial processes for the recovery of lead and avoid the emission of pollutants into the environment.
- Programming Rockwell brand PLC
- Verify instruments in poor condition or obsolete for replacement or upgrade.

Achievements:

- I did automate the process of loading transport trucks with ore by means of bands integrating the Emerson Distributed control (Delta V) in the vermilion plant.
- I did migrate the obsolete control of a **PLC** by a Distributed Control (Delta V) of a Sack houses, used for the filtration of air with high lead contents.

Period: May 2014-September 2014

Name of the company: Meccano de México S.A de C.V.

Job: Técnico en Diseño CAD e Investigación

Sector: Metal-Mechanics

RESPONSIBILITIES:

- Design steel and aluminum molds using Solidworks to manufacture serial housing.
- Interpretation of electrical diagrams
- Fatigue analysis in metal structures
- Hardness analysis in steels and aluminum
- Research and development of new technologies for welding molds with robotic arm.
- Research and development of ceramic materials for the manufacture of thermal insulators in homes.

Achievements:

- I launched the roboman arm robotic brand MotoSense artificial vision.
- I Developed improvements in the design of steel molds for the best use of the raw material by relocating the weld seams, saving operating costs and supplies.
- I Developed a caloric analysis of a technology implemented in concrete to generate a thermal barrier inside a home.

Period: Agust 2012-March 2013

CURSOS

November 2017	Solvent Extraction (Solvay), Cananea, Sonora.
Dicember 2014	Academy for Business Creation

ADDITIONAL INFORMATION

- Intermediate English 70%
- Driver's license
- Valid Foreign Passport and Visa
- Avaibility to change residence