Raul Rangel Aravena

Mechanical Engineer

Motivated Mechanical Engineer with over 4 years in engineering design and implementation. Proficient in dominant software tools such as CAD, 2D and 3D design and Solid Modeling. Detailed, organized and hardworking skilled in overseeing technical staff and checking that projects are completed on schedule and according to specifications.



Work History

2019-07 -

2020-11

Address

Roswell, GA, 30076

Phone

(754) 837-2747

E-mail

raulanrangel07@gmail.com

LinkedIn

www.linkedin.com/in/rrang el07



2D and 3D modeling

Mechanical

engineering

2018-06 -2019-07

AutoCAD proficiency Project

Management

Engineering drawings/stan

dards

Solving

Problem

Analyst Engineer

Torque Ingenieria SpA, Antofagasta, Chile

- Reviewed existing systems and made recommendations for improvements.
- Provided technical leadership to address customer specific requirements.
- Identified, analyzed and resolved infrastructure vulnerabilities and new equipment deployment issues.
- Partnered with infrastructure and piping teams on evaluation and feasibility assessments of new systems.
- Displayed strong communication and interpersonal skills while visiting clients, jobsites and consultant offices to support project and business development needs.

Drafting Engineer

Sociedad Metalmecanica Torque Ltda, Santiago, Chile

- Checked drawing plots versus project input for correctness and conformance to standards.
- Digitized, edited and revised engineering drawings of components, parts, circuits, structures and assemblies.
- Collaborated with team members on designs, drafting standards and documentation.
- Created and modified detailed drawings using standard computer aided design (CAD) digitizing

Maintenance manual development



Spanish •••••

Excellent

Italian •0000

Basic

2017-07 -2018-06

2016-07

techniques.

- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
- Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.

Project Engineer

Terranorte Ingenieria Limitada, Antofagasta, Chile

- Attended project planning meetings to coordinate mechanical system designs with structural and architecture teams, mitigate design conflicts, and coordinate delivery timelines.
- Displayed strong communication and interpersonal skills while visiting clients, jobsites and consultant offices to support project and business development needs.
- Performed field walk-downs of proposed installation sites, inspecting facilities for potential issues.
- Completed engineering computations and mathematical calculations, prepared or revised technical specifications and data sheets.
- Tested models of alternate designs and processing methods to assess feasibility, operating condition effects, possible new applications and necessity of modification.
- Performed quality mechanical drawing checks to confirm safe, compliant and cost-effective design criteria.
- Reviewed and checked technical drawings by architectural technicians, CAD technicians and drafters.

2015-05 - Junior Project Engineer

Engiserv De Venezuela, C.A., El Tigre, Venezuela

 Read and interpreted blueprints, technical drawings, schematics and computer-generated reports.

- Prepared design documents, alignments, specifications, criteria details and estimates.
- Performed calculations according to standard procedures.
- Determined most effective approaches to new projects by reading and analyzing blueprints, drawings and sketches.
- Developed technical skills through training and shadowing experienced professionals.

Education

2020-07 - 2021-01	Specialization Course: Reliability, Maintenance and Asset Management Universidad De Chile - Santiago, Chile
2018-08 - 2018-12	Specialization Course: Contracts Management Universidad Católica Del Norte - Antofagasta, Chile
2009-11 - 2015-04	Mechanical Engineer: Mechanical Engineering National Polytechnic Experimental University "Antonio José de Sucre" - Puerto Ordaz, Venezuela • Member of 100% UNEXPO students' organization

Dean's List semester 2010-II