



Sara BERRADA

ENGINEER

COORDINATES

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LANGUAGES

French
English
Spanish
Arabic
Dutch

SKILLS

- Programming in C# - Solidworks
- Programming in C - Matlab
- Microsoft Office - RETScreen
- Sketch Up - PV Syst
- AutoCAD - Proteus
- RSTAB

SOFT SKILLS

- Leadership
- Management
- Negotiations
- Team management
- Autonomy
- Communication
- Adaptability
- Risk management

HOBBIES

- Drawing
- Reading
- Volunteering
- Traveling
- Graphic design

PUBLICATIONS

NOVEMBER 2021

S. Berrada, Y. Benmoussa, A. Mabrouki, I. Azhari, and Y. Salih-Alj, "Design and Analysis of a Renewable Energy-Based Hybrid SWRO Desalinator: Case Study in the Atlantic Coast of Morocco," 2021 9th International Conference on Smart Grid and Clean Energy Technologies (ICSGCE), 2021,

DOI:10.1109/ICSGCE52779.2021.9621372.

PROFESSIONAL EXPERIENCES

Project and Development Manager

Sindipark - SOMED Group, Casablanca | NOV 2021 - DEC 2022

- Study and implementation of action plans and adaptation to needs and constraints
- Identification of resources and allocation of responsibilities to the different departments
- Coordinate all internal and external factors involved in the realization of projects.
- Ensure compliance with budgets, quality, and project schedules.
- Reporting on the progress of projects to the CEO.
- Handover of projects to the operations department

Internship

American Urban Structure, Casablanca | AUG 2021 - NOV 2021

- Ensure the management of projects while respecting costs, quality and deadlines.
- Establish the work execution schedule and enforce it.
- Read and check the different sets of plans.
- Understand and validate technical proposals.
- Ensure the financial and contractual management of projects.

AUI Capstone Project

Design of an Energy Efficient Cattle Farm, Ifrane | JAN 2021 - MAY 2021

- Conducting site visits to gather the necessary details for project development.
- Research and study of the energy needs and specifications of the structure related to the type of livestock and the region of Ifrane.
- Design of the foundations and floor plans of the breeding farm using CAD software.
- Determination and calculation of the farm's energy efficiency.
- Design of a project-specific photovoltaic system solution.

Internship

Ministry of Housing, Urbanism, Territorial Development and City Policy, Rabat | JUNE 2020 - AUGUST 2020

- Development of the ABC Global Alliance project for Morocco.
- Contributing to the development of housing quality standards.
- Participation in the promotion of the use of new construction processes compatible with the national architectural heritage.
- Promotion of safety, quality, and sustainability in the construction industry.
- Accompaniment of institutions and professionals of the construction sector in matters of sustainable development.

Internship

Diagunivers design office, Casablanca | JAN 2018 - APRIL 2018

- Detailed 3D/2D mechanical designs
- Research and validate technical solutions in interface with the customer.
- Produce detail drawings including functional dimensioning and bills of material.
- Verification of the technical criteria of the vehicles for homologation.

Internship

Architectural firm - Rachad Loudghiri, Casablanca | MAY 2015 - AUG 2015

- Assistance to project managers in the development and management of projects.
- The design of the sites and the volume of the projects
- The development of graphic documents for projects
- The realization of the plans relating to the projects and the graphic presentations

EDUCATION

Bachelor's in general engineering - Thematic Area: Mechatronics

Al Akhawayn University, Ifrane | JULY 2021

Scientific Baccalaureate - Physics - Chemistry

Riad Schools, Casablanca | JULY 2014