



Solar Energy Systems Engineer

18 WARSAW STREET ETG 2 APPT 5. Casablanca - Morocco +212 601 420 391 hajizakaria8@gmail.com	Place of Birth: Morocco Nationality: Moroccan Marital Status: Single
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Zakaria Haji

Expertise

- Simulation of Energy Systems and Energy Management
- Process engineering for Renewable Energy, Solar Photovoltaic and Thermic
- Business development, Soalr photovoltaic designing
- Electric vehicle and climate change issue

Education

2017 - 2020

PhD Student in Engineering 3S Research Center.

University Mohammed V in Rabat, Mohammadia School of Engineers

Subject: Design and Optimization of a Renewable Energies-Powered charging station for Electric vehicles.

Prize of excellence Masen 2016

3rd prize of excellence on Sustainable Development

2014 – 2016

Masters in Renewables Energy and Energy Systems

Faculty of Sciences of Ain Chôck – Casablanca, Morocco

21/09/2014 - 23/09/2015 **Thematic School**

Acquired my Thematic School certificate in IERRESEG in study of the renewable energies integration in smart grid systems

Work & Experience

2011 - 2014

Bachelors of Science, Matter & Physics

Polydisciplinary Faculty of Khouribga

2010 - 2011

Bachelors of Experimental Sciences

School of Life Sciences & Earth

01/11/2018 – 15/02/2019

UDER Society

Casablanca, MA

Position :

Solar Energy Systems Engineer

- Design and size photovoltaic installations and their connections
- Create plans for solar energy system development, monitoring, and evaluation activities
- Project execution, coordinate engineering consultants to develop project construction drawings and support material
- Provide design and planning for solar energy projects
- Support of works teams in the construction phase on issues

01/10/2017- 30/09/2018

The TRAMONT INTERNATIONAL Society

Rabat, MA

Position :

Business Developer Manager

- Develop and maintain positive business and customer relationships
- Coordinate sales effort
- Supply management with reports on customer needs, problems, interests, competitive activities, and potential for new products and services
- Expedite the resolution of customer problems and complaints to maximize satisfaction

	<p>20/12/2016 - 01/07/2017 The VABELEC Society Casablanca, MA Position : Technical Sales Engineer</p> <ul style="list-style-type: none"> ▪ Show and sell products/services to prospective customers ▪ Accompany the customer with the identification of need until the order is obtained ▪ Receive customer quotes ▪ Present technical offers according to customers requests ▪ Communicate production, manufacturing and technical documentation ▪ Validate the alternatives the maintenance services for the technical service <p>01/10/2016 - 08/12/2016 The VELI Society Casablanca, MA Position : Intern Technical Sales Engineer</p> <ul style="list-style-type: none"> ▪ Identifying and establishing new business ▪ Organising sales visits ▪ Liaising with existing clients ▪ Preparing tenders, proposals and quotations ▪ writing reports and sales propositions ▪ providing product education and advice <p>01/03/2016 - 30/06/2016 The NPSOL Society Casablanca, MA Position: Intern Technical Engineer</p> <ul style="list-style-type: none"> ▪ Team leader in photovoltaic systems projects ▪ Dimension and definition photovoltaic projects <p>01/07/2015 - 30/09/2015 The Research Association Casablanca, MA Position: Intern Engineer Project Manager</p> <ul style="list-style-type: none"> ▪ Demonstrate smart photovoltaic plans integration potential ▪ Explain water heaters characteristics and the use of heat exchanger to save heat ▪ Recover the heat's wastewater by a heat exchanger for heat up the wather <p>15/07/2012 - 15/08/2012 Enersun-Holding Ben Ahmed, MA Position: Intern</p> <ul style="list-style-type: none"> ▪ Integrate the processes of Manufacturing, Service, Distribution and Installation of solar systems
<p>Projects</p>	<ul style="list-style-type: none"> ▪ Photovoltaic Installation (Solar pumping, on grid, off grid) ▪ Domestic Solar water heating ▪ Hydrogen production ▪ Energy efficiency <p>Languages:</p> <p><i>English</i> - Excellently spoken, written & understood</p> <p><i>French - French</i> - Fluent, including comprehension, reading, speaking, and writing</p> <p><i>Arabic</i> - Native language</p> <p>Computers: Proficient in Microsoft Word for Windows, Excel, Publisher, PowerPoint, Adobe, Firefox/Google Chrome.</p> <p>Other Program/Machinery: MATLAB, AUTOCAD, SketchUP, PVsyst RETScreen.</p>
<p>Memberships</p>	<ul style="list-style-type: none"> ▪ Football team captain and an avid lover of sports ▪ Member of the research association for sustainable development ▪ Responsible in club of innovation and development of renewable energies