

SANTIAGO RODRIGUEZ

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RESUME

Energy efficiency and building energy modeling expert, Photovoltaic Systems Design Specialist, Sustainable Building Design & LEED Certification ®

SKILLS

- Building Energy Modeling
- Energy Efficiency and Sustainable Building Design
- Energy Audits
- Solar energy systems design and installation
- LEED Certification ® of green buildings (LEED AP BD+C)

EXPERIENCE

ENERGY CONSULTANT @ ENERGYZA DE MÉXICO

JANUARY 2018 - PRESENT

Energy consultant at Energyza de México, performing energy audits and energy efficiency studies for different clients

SUSTAINABLE BUILDING DESIGNER @ SOLUCIÓN RENTABLE

JULY 2016 – JANUARY 2018

Sustainable building design and energy efficiency studies. Courses and workshops on building energy modeling for LEED Certification

HEAD OF ENERGY DEPARTMENT @ REVITALIZA CONSULTORES

SEPTEMBER 2012 - JULY 2016

Head of the energy department, responsible of all the energy modeling required for LEED Certification of more than 20 projects. Coordination of all the tasks related to the Energy and Atmosphere Category of the LEED Certification

DIRECTOR AND FOUNDER @ ILUMINA SOL

SEPTEMBER 2009- SEPTEMBER 2012

Company founder, energy efficiency and renewable energy viability studies in different regions of Mexico

RESEARCH ASSISTANT @ IER UNAM

OCTOBER 2010- MARCH 2011

Research assistant at the Energy Institute of UNAM, working on a project to study the thermal effect of certain types of building construction materials such as hollow block. My role was to use energy modeling tools to analyze the thermal behavior of different types of walls for residential buildings for different regions of Mexico

JUNIOR CONSULTANT @ ECOFYS BV THE NETHERLANDS

FEBRUARY 2007- JULY 2008

In this company I started to perform energy modeling for several projects, using Energy Plus software. I was also involved in performing simulations of big photovoltaic systems in different regions of Europe

EDUCATION

EUREC AGENCY, BRUSSELS, BELGIUM

EUROPEAN MASTER IN RENEWABLE ENERGY

European Master in Renewable Energy, 1st semester: University of Zaragoza, Spain, 2nd semester: Kassel University, Germany, 3rd semester: Final project, internship at ECOFYS BV The Netherlands, Utrecht, The Netherlands

CENSOLAR, SEVILLA, SPAIN

CENTRO DE ESTUDIOS DE ENERGÍA SOLAR

Master's in design and installation of solar energy systems

UNAM, DF, MEXICO

UNIVERSIDAD NACIONAL AUTONOMA DE MÉXICO, FACULTY OF SCIENCE

Bachelor's degree in Physics

ACHIEVEMENTS

Energy Efficiency project to improve the energy consumption of all branches of a pharmaceutical company in Mexico. The project started performing energy audits and concluded in the implementation of energy conservation measures such as replacement of the current lighting system and improvement of the air conditioning systems of all branches of the country (around 1200 locations) (@ENERGYZA)

Participated in a research project of the Energy Institute of UNAM to improve the construction systems of typical residential systems in Mexico to reduce the energy consumption of heating and cooling (@IER)

Main responsible of performing the energy modeling of the following LEED certified buildings (@REVITALIZA CONSULTORES):

- DATA CENTER Kio Networks, Murcia, Spain LEED PLATINUM, 2015
- Centro de Desarrollo Softtek, Aguascalientes, México, LEED PLATINUM, 2015
- Centro de Investigación CIINOVA, Querétaro, México, LEED PLATINUM, 2014
- Block Social NESTLE, Chiapa de Corzo, México, LEED PLATINUM, 2013
- Edificio Imperquimia, Mexico City, Mexico, LEED PLATINUM 2016
- Planta Central Moctezuma, Mexico City, Mexico, LEED GOLD 2016
- Coca-Cola Plant, Trujillo, Peru, LEED GOLD 2014
- Planta Toyota, Mexico City, Mexico, LEED GOLD 2014
- Offices NESTLE, Querétaro, México, LEED GOLD 2015
- McDonald's Parque Hundido, Mexico City, Mexico, LEED GOLD 2013

LANGUAGES

- Spanish – Mother Tongue
- English – 100%
- French – 50%