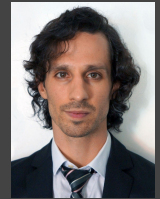


# Jaime Salazar Lahera

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## Professional Experience

### **RPA Developer**, EDP Spain (Solar Division), *Madrid, Spain*

November 2019 - Present

Both as UiPath robots as well as Python scripts

Document batch generation (.xlsx, .pdf, .ppt) and upload to shared drives

Web scraping, Google Maps interactions (JS injection via Selenium), online form filling

File downloads (including FTP)

Handling, conversion, extraction, and decryption of files

Recurring emails (including attachments)

SAP desktop interactions (eg. SAP)

Proposal design and drafting for residential and small-commercial PV systems

Preparation of hourly consumption curves and electric bill analysis

Lookup of PV production data from PVGIS

Preliminary PV system design with SolarEdge Designer

PV system sizing according to customer consumption, available space, irradiation, etc.

PV system modelling: self-consumption %, excess energy, losses and degradation, electricity tariff, CAPEX

### **Backoffice Technician**, Solar Solution LLC, *Washington DC, USA*

June 2013 - June 2015

Automation of document generation (JavaScript, VBA) of proposals, interconnection agreements, and contracts

Pipeline management (VBA)

Rooftop (and obstacles) measurement for 3D modelling

PV installation design (residential and small-commercial) with SketchUp and Google Earth

Module string and inverter sizing with SMA Sunny Design

Assisted in local electrical inspections

Technical support and troubleshooting both remotely and on-premise

### **Aprendiz de Sistemas Fotovoltaicos**, Earth Sun Energy Systems, Martinsburg, *WV, EEUU*

junio 2013

Asistencia en la construcción de un sistema de 24 paneles

## Academic Experience

### **Master's Degree in Electromechanical Engineering**, *Polytechnic University of Madrid (UPM), Spain*

February 2019

Master's Thesis - **Autonomous Agricultural Robot**

Prototyping with **Arduino** (I<sup>2</sup>C, MQTT, PID control) and **Raspberry Pi** with Flask and MongoDB

PLC programming (Siemens STEP7 and WinCC)

NI LabView graphical programming

Robot kinematics with MATLAB

Electrical and mechanical simulation with Festo FluidSIM, QUCS, and SAM

### **Undergraduate Courses**

Electronics, Automation, Circuit Theory, Thermodynamics, Fluid Mechanics, *UPM, Spain*

Fall 2015 - Spring 2016

Differential Equations, Physics III, *Montgomery College, MD, USA*

Fall 2014 - Spring 2015

### **Bachelor's Degree in Environmental Science**, *University of Maryland, College Park, USA*

December 2013

Graduated *cum laude*

Minor in Ecological Technology Design and Geographic Information Systems (GIS)

### **Associate's Degree in Environmental Science and Policy**, *Montgomery College, MD, USA*

Spring 2011

### **Bachelor's Degree in Forestry Engineering** (transferred before completion), *UPM, Spain*

Spring 2009

## **Skills**

### Programming languages and software

- Primarily **Python**: selenium, requests, scrapy, xlwings, etc.
- Other languages: C, HTML, Javascript (esp. ReactJS), SQL, VBA
- **UiPath** (RPA Developer Advanced Certification 2019)
- MS Office (esp. VBA macros)
- LabView, MATLAB, Siemens STEP7 and WinCC
- Standard use of Linux, SSH, and git

**English native** speaking, reading, and writing due to an academic career and professional experience in the United States