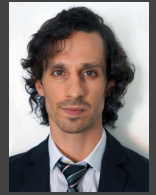


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Professional Experience

- RPA Programmer Analyst**, JBTC (ESSC), *Madrid, Spain* January 2021 - Present
Process automation and data delivery for the financial departments of the ESSC and NASSC
Web automation with Blue Prism and Python: document upload/download to/from ERPs, online forms
Email automation with Blue Prism, Python, and Power Automate: send/receive emails with attachments, images
Data processing and delivery with Tableau: DBs, Excel (OneDrive) for KPI reports and dashboards
Excel automation with BP, Python, Power Automate, VBA, Office Scripts: massive file uploads (eg. CSV)
App creation (forms, DB storage) with Power Apps
Recurrent script (Python, PowerShell) executions with Windows Task Scheduler
Project management and documentation with Jira and Confluence
Regular bilingual meetings with department heads for requirements gathering and project delivery
- RPA Developer**, EDP Spain (Solar Division), *Madrid, Spain* November 2019 - December 2020
Back office automation with UiPath and Python
Document batch generation: Excel, PDF
Web data scraping and entry: selenium, scrapy, beautiful soup, and requests
File transfers and manipulations
Desktop automation: pyautogui
- 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)

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** (I²C, 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

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