Name: Daniel Villa Rayo

Phone: 647763325

Email: DanielVillaRayo@gmail.com

Address: Sevilla, 41020, Spain

Driver's License B and Own Vehicle

Academic education

- Data Science Bootcamp at Hack a Boss. 2023-2024
- Python Introduction Course. (20 hours)
- Introduction to SEO and SEM Course. (20 hours)
- 2 years at the University of Seville studying Computer Engineering, specialized in software. 2014-2016
- Higher Degree in Electronic Product Development. 2011-2013
- Intermediate Degree in Electronic Equipment Maintenance. 2008-2010

Technical Experience

Data analysis with Python, where I excel in:

- Data acquisition methods using web scraping and APIs.
- Data processing using Pandas and insertion into a DataFrame.
- Cleaning of obtained data for subsequent study and observation.
- Presentation of results and conclusions using graphs.
- Utilization of neural networks with TensorFlow.
- Time Series Analysis.

SQL Analysis where I excel in:

- Setting up the database, creating the database, tables, and relationships.
- Retrieving information from an already set-up database, queries performed in MySQL Workbench.
- Performing the same operations but with Python to SQL.
- Proficiency in Pyspark and big data.
- Experience with Streamlit.

Machine Learning.

- Supervised Learning: Simple and multiple linear regression models, simple and multiple classification models.
- Unsupervised Learning: Clustering models.

Additional Technical Experience

- Intermediate-level Java programming with a focus on databases.
- Intermediate-level object-oriented C++ programming with a focus on databases and creation of custom libraries.
- Ability to conduct experiments on electronic boards.
- Experience in measurement with multimeter or oscilloscope.
- Extensive experience with Atmega and AtSam microcontrollers with programming in Arduino.
- Experience with PIC microcontrollers.
- SMD soldering.
- Proficient in office automation.

Professional Experience

- 12 months at Kamaleon Tech. Reverse engineering developer of an electric vehicle charger with different types of charging and basic user interface.
- 8 months at Comaser, a private security company. 4 months as a basic alarm installer subcontracted to Prosegur and 4 months as a technology officer performing maintenance on wired alarms, pre-installation of said alarms, and programming.
- Various non-technical temporary jobs including waiter in a restaurant and fast-food chain, warehouse worker in the meat packaging sector, inventory counter at a supermarket, light package delivery driver, gardener's assistant.
- Electromechanical maintenance technician at Sovena for 10 months.

Interests and Additional Information

- Interest in technology and programming, with the adaptability to not only use existing algorithms and libraries but also to create new ones tailored to the company's needs.
- Immediate availability for employment.
- Strong teamwork skills.
- Good learning ability.
- Experience in problem-solving (Kamaleon Tech).
- Commitment to the company's project.