

## DATA SCIENTIST – ENGINEER – DEVELOPER

I am a competent physics engineer, with a profound passion for learning, programming, and science. I am committed to delivering high quality services through the continuous development of my data science and data analysis skills. I am ambitious and able to work both independently and as part of a team. My skill set includes proficiency in office technology and advanced computational skills.

## WORK EXPERIENCE

### DATA ANALYST INTERN AT AP LATAM

February 2023 - October [Mérida, Yucatán] [Education]

I led the project in which I extracted and analyzed the essential skills described in job postings. I used OCC Mundial web scraping and Python processing while working remotely from my home office.

#### RESPONSIBILITIES

- Web scraping data from OCC job postings by using Requests in Python.
- Retrieve meaningful graphs of responses from the API.
- Work as part of a team to document and package the project.

#### KEY ACCOMPLISHMENTS

- Implemented new statistics within the company to streamline decision-making and reduce market research time by over 50%.
- Successfully completed the company's first project on the Apache Airflow platform.
- Thoroughly documented all code in multiple files to ensure long-term maintainability and scalability.
- Developed a versatile codebase capable of easily incorporating additional job posting sources for web scraping, allowing for seamless expansion of operations.

### IN-HOUSE AT BEDU

February 2021 - August [Mérida, Yucatán] [Education]

I extracted and analyzed the essential skills outlined in job postings using LinkedIn web scraping and Python processing while working remotely from my home office.

#### RESPONSIBILITIES

- Web scraping data of job postings from Linked-In by using Selenium in Python.
- Post the saved job postings to the EMSI (Nowadays Lightcast) Skills API.
- Obtain meaningful graphs of the responses from the API.

#### KEY ACCOMPLISHMENTS

- Enhanced the automation process for skills extraction, reducing the average time required by 5%, from twenty minutes to nineteen minutes, by minimizing the time spent on failed extractions.
- Optimized the graph generation process by automating web scraping and integrating it seamlessly into the graph generation process.
- Improved code comprehension by meticulously documenting and refactoring the previous two scripts, breaking them down into six logically structured documents.

## SKILLS

- |                   |  |                            |                       |
|-------------------|--|----------------------------|-----------------------|
| • Data Analysis   | • Python [Pandas, NumPy, Scikit-learn] | • C++ [Basics]             | • Creativity          |
| • Problem Solving | • Machine Learning                     | • Innovation               | • Selenium (Software) |
| • Automation      | • Git and GitHub                       | • Excel, Power Point, Word | • Java                |
| • API usage       | • SQL                                  | • Research                 | • OpenCV              |
|                   |  |                            | • Teamwork            |

## EDUCATION

### ENGINEERING PHYSICS AT FACULTY OF ENGINEERING OF THE UNIVERSIDAD AUTÓNOMA DE YUCATÁN

August 2016 – May 2023 [Mérida, Yucatán]

I participated in a cultural exchange between Texas A&M University and UADY with native English speakers. I focused on taking electives in data science, computing, and machine learning, especially deep learning for images.

## CERTIFICATES

### MODERN CLOUD ENGINEERING

By Accenture México · Issued: dec. 2022

I developed a web application with Java in a team of three people.

### AWS CLOUD PRACTITIONER ESSENTIALS

By Amazon Web Services (AWS) · Issued: sept. 2022

I learned the basic services offered by AWS and how they work.

## LANGUAGES

### ENGLISH (B2)

I can read, write, listen, speak, and communicate my ideas in English without difficulty. I can clarify any doubts in conversation.

### SPANISH (NATIVE)

My native language and I can speak it perfectly.

## HOBBIES

Various activities. I spend my free time, consuming outreach, and educational material mostly English, playing the guitar, drawing, and playing video games.