

# ELIZABETH MORALES MUÑOZ

Data Scientist | Data Analyst | Machine Learning



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**Personal site** on click



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## Education and skills

- Computer Scientist with skills in coding data science, robotics, and education.
- Data Science Bootcamp at Henry

## Professional Experience

**2022 December -2023 March**

**Data Engineer Fellow 1910 Genetics, Boston- USA**

- Preprocessed data, trained models, and deployed solutions.
- Developed and deployed machine learning models using Python and R.

**2021-2022 Data Analyst and Full-Stack Developer**

**PeruColors, Arequipa, Peru & Atlanta, Georgia, USA**

- Worked on web services development and full-stack development.
- Worked as a full-stack developer at Datasoftteam (<https://datasoftteam.com/>).

**2020- 2021 Web Services and System Development**

- Worked on web services and system development projects for Javier Delgado Arquitectos, Sabio Alfred Binet Institution, Alberto Hidalgo Educational Institution, and Jabones de la Abuela Evangelina. Formulated projects on educational robotics application proposals. Taught robotics at Alberto Hidalgo School.

**2019 Robotics Researcher and Teacher**

- Developed the SLAM algorithm for a mobile robot with depth sensors as part of the FINCyT-1A-201 project at Universidad Catolica San Pablo.
- Worked as a researcher on the Optimal Selection and Identification of Defects in Chestnuts Processing project, utilizing computer vision.
- Taught robotics at San Juan Apóstol school and trained UCSP for the A consortium of Catholic Schools in Robotics for the development of soft skills.

## Projects

**Bike Sharing System Competition** September 2022 - September 2022

First place winner

**Co2 Global Emissions Analysis** Aug 2022 - Sep 2022

Developed cloud services, databases, and pipelines for data engineering processes.

- Utilized machine learning techniques to calculate client metrics.
- Generated visualization reports and presented them as interactive dashboards on a website.
- Technologies utilized: Python, GitHub, Azure, PostgreSQL, PowerBi, Sarimax.
- Link to project: <https://aqpagenda.com/datascience/index.html>

**Analysis of COVID Cases in the USA** Aug 2022 - Aug 2022

- Developed ETL processes for data extraction, transformation, and loading.
- Prepared and presented dashboards to track COVID cases in the USA.
- Technologies utilized: Python, GitHub, Streamlit.

**Argentina Dolar Exchange Analysis** Aug 2022 - Aug 2022

- Utilized APIs for data extraction and developed key performance indicators.
- Developed ETL processes and generated data visualizations to analyze the Argentine peso exchange rate.
- Technologies utilized: Python, GitHub, Linear Regression.

# Degree & Certificates

2023  
dp-203 Azure Data Engineer  
dp-100 Designing and Implementing a Data Science Solution on Azure

2020 Participant, WiML 2020 Workshop - Women in Machine Learning Online. USA

2018  
Thesis Defense - Professional degree of Computer Engineering, Universidad Católica San Pablo, Arequipa, Perú.

2016  
Professional Computer Science School, Universidad Católica San Pablo, Arequipa-Perú

# Frameworks/Software/ Languages/Coding languages

## **Programming Languages:**

- *Python*
- *C++*
- *JavaScript*
- *MATLAB*
- *SCALA*

## **Web Development:**

- *HTML*
- *CSS*
- *WordPress*
- *Node.js*
- *Data Science:*
- *PySpark*
- *scikit-learn*
- *Jupyter*

## **Data Visualization /BI/cloud computing platforms:**

- *AWS*
- *Streamlit*
- *Azure*
- *Database:*
- *MySQL*
- *Google Data Studio*

## **Tools and Platforms:**

- *GitHub*
- *Linux*
- *Docker*
- *ROS*
- *Arduino*
- *LaTeX*

## **Cloud Storage:**

- *S3*
- *Blob Storage*
- *Redshift*

## **Data analytics:**

- *Databricks*
- *Tableau*
- *Power BI*

## **Data Processing:**

- *Spark*
- *Hadoop*

## **Software Development**

- *Boto*
- *Azure SDK*