

**Shadek Halim Jaramillo Rojo**  
*Data Scientist*

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## Perfil

Dedicated developer enthusiastic about science and mathematics, with a strong foundation in data analysis and problem-solving. Astronomy student with experience in the implementation of math solutions to complex problems.

## Education

<b>Universidad de Antioquia</b> Astronomy, four semesters Relevant Coursework: Computational methods, Complex variable calculus, Linear algebra.	Medellín, Colombia 2022-2024
<b>4Geeks Academy</b> Certificate Data Scientist Relevant Coursework: Supervised Learning, SQL Databases, Github.	Remote, Colombia July/2024 - present

## Experience

<b>Personal project, Shelf-Scanner Developer</b> <ul style="list-style-type: none"><li>Designed the architecture of the backend of the project to ensure scalability and used Object Oriented structures to define a method of communication so the front end can easily use the models and parse the results.</li><li>Implemented a computer vision model to automate the order analysis of shelves in super markets demonstrating understanding of model inputs and outputs.</li><li>Tuned the model architecture and adjusted the epochs to obtain a precision and recall measurements over 91% while having the smallest possible architecture to ensure faster prediction and training times.</li><li>Implemented machine learning models that allow for comparison between the computer vision model results and the expected order of the items in the shelves using Pandas for data manipulation and Scikit-Learn for the comparison model.</li></ul>	Medellín, Colombia September/2025
<b>Hotel Casa Baloo Guest translator</b> <ul style="list-style-type: none"><li>Helped hotel staff with translating messages sent by potential guests.</li><li>Helped guests communicate their questions and complaints to the rest of the staff in a clear way.</li><li>Helped guests with information on transport fares, city landmarks, and tourist sites.</li></ul>	Santa Marta, Magdalena, Colombia 2019

## Skills & Interests

**Technical:** Python, Sci-kit Learn, Scipy, Numpy, Pandas, Matplotlib, Data Science, Machine Learning, Exploratory data analysis (EDA), Webscraping, GO, SQL, Keras, streamlit, flask, Label Studio.  
**Language:** Spanish (native), English (equivalent to C1 but not certified)  
**Interests:** Sport shooting, Chess, Trekking, Music, Maths.