



# ALEXANDER TRESPALACIOS

Telecommunications Engineering  
Junior Software Developer



Copacabana - Colombia



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<https://ijrios.github.io/>



<https://github.com/ijrios>

## ABOUT ME

My academic background and experience are enhanced by strong skills in areas such as Machine Learning, supervised learning, cluster analysis, and software development. I am proficient in .NET and Python development, with expertise in Django Rest Framework, React.js, Python Flask, Selenium, and C#. Additionally, I have experience consuming APIs, building microservices, and working with SOAP and REST architectures. I also specialize in automation using Selenium and requests in Python, demonstrating my versatility and adaptability to tackle various technical challenges

## PROJECTS

- CardioVigilant AI: Solution to the challenge chosen for the data science hackathon. – Flask Python, Machine Learning
- Systema IoT Retrofit Aquae Intelligentes Tank - Python
- Bookstore (Reviews - Reservations) – OOP Java
- Bancolombia Operational Excellence website - .Net MVC
- IoT Retrofit home automation control system for sliding windows.

## LANGUAGES

Spanish	<div></div>
English	<div></div>
Latín	<div></div>

## SKILLS

.NET	<div></div>
C#	<div></div>
Python	<div></div>
SQL	<div></div>
Mach. Learn.	<div></div>
React JS	<div></div>
Java	<div></div>

## WINNERS

### HACKATHON DATA SCIENCE - FIRST PLACE:

«CardioVigilant\_AI»

Institución Universitaria Pascual Bravo Y Ruta N

## EDUCATION

2016 - 2024

Medellín, Colombia

**Engineer's degree, Telecommunications Engineering**

University of Medellín

## EXPERIENCES

### LAMBDA ANALYTICS S.A.S

Junior Software Developer

August 2024 – Present

Medellín, Colombia

- Django Rest Framework, Python developer
- Process automation, Selenium, Request
- React js, Git and Postgresql
- Knime

### BANCOLOMBIA

Engineer Intern

January 2024 – July 2024

Medellín, Colombia

- Net Developer - ASP.NET MVC and Layered architecture, C#, SQL
- Bank process automation, developer. Automate the monitoring and loading of Bancolombia's installed capacity and other projects

### UNIVERSITY OF MEDELLIN

Academic Mentor

July 2023 – Dec 2023

Medellín, Colombia

- Development of machine learning processes in Python
- Digital holographic images applying image processing
- Convolutional neural network architecture with Python

## REFERENCES

Jeeny Cuantindioy

Full-time Professor

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