ALEXANDER
TRESPALACIOS

Telecommunications Engineering

Copacabana - Colombia

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https://ijrios.github.io/

https://github.com/ijrios

ABOUT ME

Ethnically ambiguous and Catholic, passionate about telecommunications and programming. My academic training and experience are enriched with solid skills in various areas such as Machine learning, supervised learning, cluster analysis, .NET developer, Python developer, among other languages. My knowledge ranges from programming languages such as C# (most used), Python and Java, MATLAB and C++, to web software development tools with ASP.NET MVC and Node js with frameworks such as Flask and FastAPI, JSF, JSP, Servlets, PrimeFaces and React Js (capable of developing responsive web pages). All this is complemented by knowledge of AWS, Kubernetes, Dockers, automation and control systems (PLC) and optical and wireless network planning. Thus reflecting my versatility and adaptability to address technical challenges.

PROJECTS

- CardioVigilant AI: Solution to the challenge chosen for the data science hackathon. – Flask Pyhton, 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
- English
- Latín

SKILLS

- .NET
- C#
- React JS
- Python
- SQL
- Mach. Learn.
- Java

EDUCATION

2016 - 2024
Medellín, Colombia
Engineer's degree, Telecommunications Engineering
University of Medellín

2004 - 2015
Cáceres, Antioquia
Basic and High School
Institución educativa Monseñor Gerardo Patiño

EXPERIENCES

Enero. 2024 – Present
Medellín, Colombia
BANCOLOMBIA
Engineer Intern

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

July. 2023 – Dec 2023
Medellín, Colombia
UNIVERSITY OF MEDELLIN
Academic Monitor

- Development of machine learning processes in Python
- Digital holographic images applying image processing
- Phase object recovery using digital holographic
- Convolutional neural network architecture with Python

WINNERS

HACKATHON DATA SCIENCE - FIRST PLACE:
«CardioVigilant_AI»

Institución Universitaria Pascual Bravo Y Ruta N

REFERENCES

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