

Jorge Lambraño

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About me

I am Electronic Engineer from Universidad del Norte (Barranquilla, Colombia). I have experience on the field of Electronic Design and Embedded Systems, and I have skills developing applications using C, C++ and Java, as well as strong leadership abilities. Likewise, I am able to build and maintain satisfactory interpersonal relationships and assume responsibilities.

Education

2014-2019 : **Electronic Engineer**; Universidad del Norte (Barranquilla-Colombia)

Thesis: Optimización de un sistema de procesamiento de imágenes por radar.

A computer vision system to measure and extract basic ocean waves features were optimized in other to be excuted on devices which medium computing level. New features were developed using python-based frameworks like numpy, scipy and opencv-python.

Experience

: **Ebenezer Technologies SAS: C++ Developer**: (since Feb 2019 to Jun 2021)

Computer vision system have been developer based on C++ and OpenCV. This system is able to count buses passenger and to process real-time video. In addition, IoT applications and Human-Machine interfaces have been made in other to automatize parking tasks.

More information about Ebenezer Technologies SAS [Here](#).

: **Energia Eficiente E2 SA**: (since Jul 2021)

Energy variables such as losses and energy consumption and displayed on dashboard in real time. In addition, this dashboards are able to show predictions of those variables with a high degree of accuracy.

More information about Energia Eficiente SA. [Here](#).

Skills

Programming Languages and Technicals tools

- **C/C++**
- **Docker**
- **Git**
- **Java**
- **Javascript**

- **Linux**
- **Python**

: Intermediate knowledge of **AWS, Angular, Django, Flask, Keras, Pandas, Opencv, NodeJs, TensorFlow, Pandas, Numpy, VHDL**

Extra Section

- Human Languages:
 - Spanish (native speaker)
 - English (B2)

Other certifications

- **DS4A Colombia 2021:** Course. (Sep 2021)
- **Habilidades Digitales de Programación de Misión TIC 2022:** Course. (Dic 2020)
- **NDG Linux Essentials.** Course. (Feb 2018)
Cisco Networking Academy.
- **Introduction to IoT.** Course (Oct 2017)
Cisco Networking Academy.
- **Uso de clases, objetos, Métodos Y archivos secuenciales en POO con lenguaje de programación C++ (Nivel III)** Course (Oct 2015)
Servicio Nacional de Aprendizaje - SENA
- **Módulos, estructura de almacenamiento y POO utilizando el lenguaje de programación C++ (Nivel II)** Course (Oct 2015)
Servicio Nacional de Aprendizaje - SENA
- **Estructura del lenguaje de programación C++ (Nivel I).** Course (May 2015)
Servicio Nacional de Aprendizaje - SENA

Another interesting projects

: **Data science applied to passenger land transport in colombia** (Sep 2021)

This project seeks to develop a computational approach based on data science techniques to forecast passenger demand in different bus terminals and routes on Colombia. Passenger transportation companies can find the application useful to make decisions on fleet allocation. Based-python tools were applied: Pandas, Jupyter, Plotly and TensorFlow.

More information about this project [Here](#).

: **Single Page Application. Animal Care Foundation** (Aug 2021)

This application is able to store and display data from an animal care foundation, such as information of each pet, pet care, supplies and costs. Tools like Javascript, MongoDB, NodeJs, ReactJS were applied.

More information about this project [Here](#).