

Camilo Laiton

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Santa Marta, Magdalena

Summary

Masters student in Systems Engineering with substantial experience in deep learning, process development, image processing, and computer vision with the goal of developing AI-based solutions to address real-world challenges.

Education

Masters in Engineering - Systems Engineering

National University of Colombia • Medellín, Antioquia
12/2022

- Thesis research project titled "Method for the segmentation of brain magnetic resonance images using a neural network architecture based on attention models" in conjunction with the research group named Grupo de Investigación y Desarrollo en Inteligencia Artificial (GIDIA).
- BEDA Scholarship recipient awarded for maintaining a 5.0/5.0 GPA in the Masters program. October 2021.

Bachelor of Science in Systems Engineering

University of Magdalena • Santa Marta, Magdalena
12/2020

- Suma Cum Laude, University of Magdalena.
- Recognition for thesis research titled "A computational deep learning-based model for dynamic estimation of the traffic signal timing in simple urban intersections" developed in conjunction with the research group named Grupo de Investigación y Desarrollo en Sistemas y Computación (GIDSYC), publication pending.
- Graduated with honors from the University of Magdalena with GPA of 4.50.
- Recognition for the best academic GPA in the Systems Engineering program in October 20, 2017.
- Recognition for the highest score on the admissions exam in the undergraduate program at the University of Magdalena.

Experience

Software Developer

Technological Institute of Soledad Atlantico • Barranquilla, Atlántico
04/2021 - Present

- Software Developer in a Multiparametric Intelligent System for the recognition of patterns associated with neurocognitive dysfunctions in young people.
- Reviewed the state of the art in tools for the segmentation of brain anatomical structures.
- Installation of tools on Linux environments.
- Developed the intermediary module in Python for the automatic use of brain image segmentation tools.

Research Associate

Cotecmar • Cartagena, Bolivar
10/2021 - Present

- Designed a calculation tool based on simulation software that allows a technical analysis of electromobility solutions for rail-river transport.

- Provided support and analysis of dual-use technologies incorporating electromobility technologies available in the Colombian and international market, identifying the map of actors, costs of the proposals, and those responsible for the actions and the time required for their materialization.

Tutor

National University of Colombia • Medellín, Antioquia
05/2021 - Present

Tutor for the Master's subjects *Intelligent Systems* and *Advanced Topics in Artificial Intelligence II* in the department of Systems Engineering and Informatics at the National University of Colombia.

Data Engineer

National University of Colombia • Medellín, Antioquia
09/2020 - 03/2021

- Implementation of a Geoscientific Data Lake for the Servicio Geológico Colombiano (SGC).
- ETL process development in Azure Databricks.
- Development of pipelines in Azure Data Factory.
- App Development in Power Apps.

Web Developer

Soluciones Informáticas y Empresariales S.A.S • Santa Marta, Magdalena
07/2020 - 05/2021

- Developed a web platform based on non-immersive virtual reality for the optimization of time and resources of the company Ladys Confecciones S.A.S.
- Developed a memory-optimized 3D visualizer for clothing customization using Three.js
- Implemented and deployed the 3D garment customization module
- Named the best innovation project by SENA INNOVA in Colombia in 2019-2020.

Skills

- | | |
|-----------------|--------------|
| • Deep learning | • TensorFlow |
| • Python | • C/C++ |
| • Keras | • CNN |

Languages

- | | |
|-----------|-----------|
| • Spanish | • English |
| • French | |

Scholarships

- **Scholarship for Postgraduate Studies** for receiving the highest academic GPA average in the program of Systems Engineering at the University of Magdalena, December 11, 2020.
- **French Language Scholarship** to study at the Alliance Française (from level A1 to B1) granted by the University of Magdalena, May 12, 2019.
- **French Language Scholarship** to study at the Alliance Française (level B2) granted by the Alliance Française in conjunction with the French Government for excellent academic performance, January 12, 2020.
- **Facebook Developers Scholarship** in conjunction with Plazti to take software development courses, November 11, 2019.
- **Academic Scholarship** - Highest GPA in the department of Systems Engineering at the University of Magdalena, received 10 semesters from 2016 to 2020.

Certifications

- **Specialized Program** - DeepLearning.AI TensorFlow Developer, October 5, 2020,

Coursera.

- **Google Cloud Platform Fundamentals**, May 31, 2021, Coursera.
- **Applying Machine Learning to your Data with Google Cloud Platform (GCP)**, June 1, 2021.
- **PHP Course with Laravel**, July 6, 2020, Platzi.
- **Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning**, October 3, 2020, Coursera.
- **Sequences, Time Series and Prediction**, October 22, 2020, Coursera.
- **Natural Language Processing in Tensorflow**, October 4, 2020, Coursera.
- **Convolutional Neural Networks in Tensorflow**, October 4, 2020, Coursera.
- **DELF B2**, December 2020, Ministry of National Education, French Republic.
- **React.js Course**, Student, December 21, 2019, Platzi.
- **Redux Course by BEDU**, December 29, 2019, Platzi.
- **Git and Github Professional Course**, November 29, 2019, Platzi.
- **Javascript Fundamentals Course**, January 21, 2019, Platzi.