ITAMAR ROCHA

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Languages   Native Portuguese, Fluent English, Intermediate French and Basic Spanish.

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EXPERIENCE

Developer and Project Documenter - Integrated Command and Control Center (CICC)   11/2020 - 07/2021
Management and documentation of the project. The project consists of developing a platform that integrates different Federal databases in real time, using different classified documents and tracking information provided by the Paraíba's treasury office.

Combinatorial Optimization Developer - Atoptima (France) and UFPB   11/2020 - 04/2021
Atoptima is a french software editor in decision support system aiming to offer cutting-edge mathematical optimization to all businesses requiring resource assignment optimization. The project consists of documenting/testing/building private software and optimizing Coluna.jl a mathematical programming solver.

Data Scientist Intern - Armazém Paraíba   07/2020 - 10/2020
The Armazém Paraíba is one of the most traditional companies with the greatest influence in northeastern Brazil. During my internship, I made use of time series forecasting in the sales data of all 65 stores of Armazém Paraíba in Brazil.

EDUCATION

B.S in Computer Engineering - Universidade Federal da Paraíba - 9.68/10   07/2018 - Ongoing

TOOLS AND INTERESTS

Tools   Julia, C, C++, Python, Javascript, HTML, Tensorflow, Scikit-learn, CPLEX, SQL, Git, Linux.
Interests   Software Engineering, Deep Learning, Reinforcement Learning, Data Analysis, Operations Research.

PROJECTS

GANdido Portinari
A GAN model that stylizes photos as if they were painted by the Brazilian artist Candido Portinari.

Binary-Bot
Binary-Bot was my Artificial Intelligence class project. It consists of an automatic trading system using LSTM neural networks.

Student Allocation Problem (SAP)
On this project I was able to reduce the standard deviation of the time taken by each advisor by more than 80 % through the mathematical modelling allocation using IBM CPLEX.

EXTRACURRICULAR ACTIVITIES

President and Co-Founder TAIL - UFPB   08/2020 - Ongoing
TAIL (Technology and Artificial Intelligence League) is a non-profit organization that is oriented by the ARIA LAB professors. The Academic league aim is to teach new students, produce content and contribute to Artificial Intelligence and Data Analysis field.

RELEVANT CERTIFICATES

Deep Learning Specialization - deeplearning.ai (Cousera)   09/2020

AWS Fundamental Course - Udacity   06/2020

DAT257x: Reinforcement Learning Explained - Microsoft(edx)   05/2020

HONORS AND AWARDS

3rd place at Facebook Portuguese Hack 2021   04/2021
The Facebook Portuguese Hack is a competition for students all around Brasil, and consists of an ideathon, a programming contest, and a logic competition.

Becas Santander Tech - Emerging Technologies Programs by MIT PE scholarship   03/2021
Awarded with an MIT Professional Education course about Cloud technologies and DevOps.

Teaching Initiation Award - UFPB   11/2019
Awarded for the work done in the tutoring of Boolean Algebra and Logic Circuits class.

3rd place at the First Order of Attorneys of Brazil (OAB) Hackathon in Paraíba   11/2019
Along with the team, developed HERMES, a tool to track the governmental expenses with COVID-19.