ITAMAR ROCHA

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

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EXPERIENCE

Researcher - Scientific Initiation Scholarship - UFPB
09/2020 - Ongoing

Applied Computer Vision techniques, and state of art methods to improve CineAD, which is a Deep Learning tool used to describe films to visually impaired people.

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. Through statistical models and machine learning, such as Prophet, Arima and various regressions.

EDUCATION

B.S in Computer Engineering - Universidade Federal da Paraíba - 9.66/10
07/2018 - Ongoing

TOOLS AND INTERESTS

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

PROJECTS

Revisai - CEO

Platform to execute ENEM mock tests (Brazilian SAT). Revisai was developed to serve more than 700 students during the pandemics, to aid them in practicing for the ENEM and to revise the subjects.

Binary-Bot

Binary-Bot was my Artificial Intelligence class project. It consists of an automatic trading system in a binary option API (EUR/USD) using LSTM neural networks.

Student Allocation Problem (SAP)

SAP is an implementation of a Mathematically modeled problem, which was based on allocating students to advisors given some predefined constraints. This project was done in a real scenario at a school named Medway - João Pessoa (approximately 270 students).

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.

Medway student advisor
01/2018 - Ongoing

Medway is a preparatory school to ENEM (Brazilian SAT). My work consisted of advising students in their last High school year throughout the ENEM preparation

Volunteer Boolean Algebra and Logic Circuits tutor - UFPB
02/2019 - 10/2019

The work as a volunteer was awarded a Teaching Initiation Honor. The class was one with the lowest approbation rates (60 %) which was changed to 90% by the end of our work.

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

Teaching Initiation Award - UFPB
11/2019

Awarded for the work done in the tutoring of Boolean Algebra and Logic Circuits class.

3º 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.