ITAMAR ROCHA

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PERSONAL INFORMATION

Date of Birth	17 Jan 2000
Languages known	English, French, Portuguese and Spanish.
Residential address	Rua Coronel Miguel Satyro, 170 - Cabo Branco, João Pessoa - PB, Brasil, 58045110
Github	ItamarRocha
Linkedin	in/itamarrocha
Personal Site	https://itamarrocha.github.io

EDUCATION

Bachelor in computer engineering - 3.88 GPA   07/2018 - Ongoing
Federal University of Paraíba (UFPB), João Pessoa - PB

Exchange Student - English Course   03/2018 - 06/2018
Kaplan International Languages, Covent Garden - London

EXPERIENCE

Researcher - Scientific Initiation Scholarship - UFPB   09/2020 - Ongoing
The project consists of applying 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
Studying and Deploying deep learning and statistical models to predict amount of sales for different products of all 65 stores in Brazil.

Software Developer Intern - LAVID   09/2019 - 12/2019
Developing a surveillance system at Laboratory of Digital Video as a project of software engineering to the Federal University of Paraíba.

TOOLS AND INTERESTS

Tools	Julia, C, C++, Python, Javascript, HTML, MQL5, Pandas, Tensorflow, Numpy, Scikit-learn, Matplotlib, CPLEX, Gurobi, GLPK, SQL, Git, Linux.
Platforms	Excel, PowerPoint, Latex, Canva.
Interests	Machine Learning, Deep Learning, Reinforcement Learning, Data Analysis, Computer Vision Stock Market Analysis, Operations Research, Software Developping, Algorithms.

PROJECTS

Revisai - CEO
Platform to execute ENEM mock tests (Brazilian SAT). Revisai was developed to serve more than 200 students during the pandemics, to aid them in practicing for the ENEM and to revise the subjects.

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

Bass-tab generator (BTG)
The second of my AI class projects. BTG is a Software designed to generate bass tabs using LSTM and data from different rock bands.

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.

Stock Market Analyst - Stock Market League (LMF - UFPB)   01/2020 - Ongoing
Analyzing and studying Brazilian stock market and its companies along with developing quantitative strategies and automating systems using MQL5 , C++ and Python.

Member of ARIA - UFPB   06/2019 - Ongoing
Studying, developing personal projects and aiding new students in the introductory basis of Machine Learning and Deep Learning with the supervision of UFPB Professors.

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.

HONORS

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