ITAMAR ROCHA

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PERSONAL INFORMATION

Date of Birth	17 Jan 2000
Languages	Native Portuguese, Fluent English, Intermediate French and Basic Spanish.
Residential address	Coronel Miguel Satyro street, 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
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.

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

TOOLS AND INTERESTS

Tools	Julia, C, C++, Python, Javascript, HTML, MQL5, Pandas, Tensorflow, Numpy, Scikit-learn, Matplotlib, CPLEX, GLPK, SQL, Git, Linux.
Interests	Deep Learning, Reinforcement Learning, Data Analysis, Computer Vision, Algorithms Stock Market Analysis, 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 neural networks.

Bass-tab generator (BTG)
The second of my Artificial Intelligence 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.

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.

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

Stock Market Analyst - Stock Market League (LMF - UFPB)   01/2020 - 10/2020
Analyzing and studying Brazilian stock market and its companies along with developing quantitative strategies and automating systems using MQL5 , C++ and Python.

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

Reinforcement Learning Specialization - University of Alberta (Coursera)   Ongoing

Generative Adversarial Networks (GANs) Specialization - deeplearning.ai (Coursera)   Ongoing

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

AWS Machine Learning Foundations 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.