Vaux Gomes

Federal Institute of Education, Sciente and Technology (IFCE)
Undergraduate Program Professor

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Summary

I am a highly educated professional with academic and professional experience. In 2012 I was granted a scholarship for studying in the US where I had the opportunity to broad my range of knowledge and perfect my language skills. In 2015 I was granted another scholarship for a master's program at UFMG (considered the best department of computer science in Brazil).

I worked with accomplished professors in the field of machine learning focused in developing a rule-based learning algorithm. In June 2017 I started working at Accenture (Junior Level) where I had my first contact with the industry. In October 2018 I was hired by Elogica (starting October) where I will be part of a new project app for a Brazilian government institution.

At the end of 2018, I was invited to collaborate with OBVIO's team in a study about homicides in Rio Grande do Norte (RN) – Brazil. This study is a pioneer in the country and it is known as the most complete database of homicides of RN, being reference to many organizations within the state. We intend to use statistics and machine learn better understand the gathered data and for building models.

In early 2019, I was granted a government job as a teacher at the Federal Institute of Education, Science and Technology of Ceará (IFCE, acronym in Portuguese).

Professional

Federal Institute of Education, Sciente and Technology (IFCE) – Brazil
Undergraduate Program Professor, April 2019 – **Current**

Elogica Data Processing – Brazil
Advanced App Engineering Analyst, October 2018 – 2019

Accenture Technology Center – Brazil
Junior Analyst, May 2017 – October 2018.

Volunteer Work

OBVIO: Observatório da violência do RN
Data Analyst, December 2018 – **Current**

Education

Federal University of Minas Gerais - UFMG
M.S., Computer Science, 2017.
Fields: Machine Learning, Data Mining, Frequent Patters, Rule Learning.

Federal University of the Semi-Arid - UFERSA
B.A., Computer Science, 2014.

Publications

Journal Articles
Multi-element determination in Brazilian honey samples by inductively coupled plasma mass spectrometry and estimation of geographic origin with data mining techniques., November 2012, *Food Research International*, 49, 1, 209–215.

Complete works published in proceedings of conferences
Classificação Supervisionada de Dados via Otimização e Funções Booleanas, 2011, *I Workshop Técnico-Cientifico de Computação*, 21-27.

Research

Department of Natural and Exact Sciences, UFERSA
Undergraduate Student Research.
Free and scalable implementation of Logical Analysis of Data, 2011 – 2013.

Teaching

Department of Computer Sciences, UFMG
Teacher Assistant, Data Structure 101, 2016.

Department of Natural and Exact Sciences, UFERSA
Teacher Assistant, Data Structure 101/202, 2010 – 2011.

Awards and Fellowships

Brazil Science Without Borders Scholarship – USA
Undergrad program – Computer Science Department.
Springfield, Missouri, USA, 2012 – 2013.

Languages and Skills

Portuguese (native), English (fluent), French (beginner)
Python {pandas, numpy, sklearn, seaborn, matplotlib}, Git, Shell Script {POSIX, Awk}, SQL {MySql, SQL Server, SQLLight}, Java

Software
(Machine Learning)

LADWEKA

Release of a free and scalable implementation of Logical Analysis of Data Classification algorithm within Weka's environment.
Keywords: Binary Classification, Rule Algorithm

BLACK

Boosted rule-based demand-driven lazy machine learning algorithm
Keywords: Lazy Classifier, Classification Problem, Data-Peeler, Frequent Patterns

Online Certification

IBM: Cognitive Class

Machine Learning With Python

Python for Data Science

Data Analysis with Python

Data Visualization with Python

Deep Learning Fundamentals

Udemy

Python for Data Science and Machine Learning (PT-BR)

Coursera

Capstone: Retrieving, Processing, and Visualizing Data with Python

SCUMStudy

Scrum Fundamentals Certified