Vaux Gomes

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

vauxsandino@gmail.com
vauxgomes.github.io
☎ +55 84 99153-4867

Bio

I am a technology professor at Federal Institute of Technology in Ceará, Brazil. I like finding creative ways of solving problems.

Professional

Federal Institute of Education, Sciente and Technology (IFCE) – Brazil
- Faculty chair of the Computer Network Technology Program, September 2020 – **Current**
- Undergraduate Program Professor, April 2019 – **Current**
- High Scholl Technology Program Professor, January 2021 – **Current**

Furukawa Eletric in association with IFCE – Brazil
- Backend Developer, May 2021 – **Current**

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

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

Education

Federal University of Minas Gerais - UFMG
M.Sc., Computer Science, 2017.
Machine Learning, Data Mining, Frequent Patters, Boosting and Rule Building.

Federal University of the Semi-Arid - UFERSA
B.S., Computer Science, 2014.
Machine Learning, Decision Rules Building.

Federal Institute of Education, Science and Technology - IFPB
Specialization in Technological and Professional Teaching, Current - 2022.
Education, Assistive Technology.

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.

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 for Data Science (pandas, numpy, sklearn, matplotlib), Git,
JavaScript (React, NodeJS) Shell Script (POSIX, Awk),
SQL (MySQL, SQLight, MongoDB)

Software

(Machine Learning)

LADWEKA

Release of a free and scalable implementation of Logical Analysis of Data Classification algorithm within Weka's environment.

Keywords: Classification Algorithm, Rule Algorithm, Set covering

LAD

Eager and Lazy versions of Logical Analysis of Data build in python within Scikit-learn structure

Keywords: Eager/Lazy Classification Algorithm, Scikit-learn

BLACK

Boosted rule-based demand-driven lazy machine learning algorithm

Keywords: Lazy Classifier, Classification Problem, Data-Peeler, Frequent Patterns

Interests

Friends, Data Analysis, Machine Learning Model Building, API Development, App Development, Travelling