Larissa Lages de Oliveira

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EDUCATION

FEDERAL UNIVERSITY OF PERNAMBUCO

B.Sc. in Computer Engineering
March 2012 - June 2017

LINKS

Github:// **larissalages**
LinkedIn:// **larissalages**
Website:// **larissalages.github.io**

SKILLS

PROGRAMMING

C • C++ • Python • Matlab
Android • Java • JavaScript
R • Shell • SQL • Jenkins

PROTOTYPING PLATFORMS

Arduino • Raspberry Pi
Intel Galileo Gen 2 • ESP32
ESP8266 • DragonBoard 410c

RELEVANT COURSEWORK

Coursera:
• Machine Learning - Stanford University
• AWS Fundamentals: Going Cloud-Native
Federal University of Pernambuco:
• Neural Networks
• Bioinspired Algorithms

LANGUAGES

• Portuguese: Mother Tongue
• English: Advanced
• French: Intermediary

PUBLICATIONS

WIRELESS NETWORKS

June 2018
An RSS-based regression model for user equipment location in cellular networks using machine learning.

17TH-MICROELECTRONICS STUDENTS FORUM

Aug. 2017 | Fortaleza-CE
HydroSys - An online platform for remote monitoring of water distribution networks.

PATENT - PCT/US2018/058622

Printing Device Component Status Classification

EXPERIENCE

ALAYACARE Data Engineer

May 2019 - Ongoing | Montreal - CA
Responsible for develop tools to check the integrity of data in the source databases and warehouse. Create and maintain fully automated pipelines for data tools using Jenkins. Working on projects centred on data migration and integration.

BARCODE OF LIFE DATA SYSTEMS Software Engineer & Data Scientist

Aug 2018 - May 2019 | Guelph - CA
Responsible for performing data analysis, machine learning and data visualization on biological data. Worked on a DNA Sequence Classification project using Deeep Learning.

RECIFE CENTER FOR ADVANCED STUDIES AND SYSTEMS (C.E.S.A.R) Software Engineer

March 2017 – July 2018 | PE - BR

- Machine Learning Engineer: Responsible for creating software using machine learning and statistical modeling techniques to develop and evaluate algorithms with the aim to improve the equipment maintenance of a multinational company.
- Embedded Systems Engineer: Working on the project Knot, an open source meta platform for IoT. Responsible for KNoT Thing library, an Arduino library built to use minimal CPU and memory resources.
- Product Integration Software Engineer: Responsible for driving all milestones from proof of concepts towards successful launch of the products, and resolving all system level issues that arise during the product development process.

RECIFE CENTER FOR ADVANCED STUDIES AND SYSTEMS (C.E.S.A.R) Summer Job Intern

Jan 2017 – Feb 2017 | PE - BR
Developed an internet of things prototype for a Deca tap. The smart tap knew how much water the user was taking per day and ensured the quality of that water.

CIN-MOTOROLA PROJECT Software Engineer Intern

April 2016 – Oct 2016 | PE - BR
Development of a tool to help tests done in the company with artificial intelligence techniques.

AWARDS

INTEL EMBEDDED SYSTEMS COMPETITION Mar 2016 – Oct 2016 | PB - BR

An online monitoring platform for water distribution systems was made. It captures and analyses water data for leak detection. Sensor nodes, and an online platform were developed. The project won the prize "Best Undergraduate Team".

FIRST PLACE IN QUALCOMM HACKATHON 30 hours | PE- BR

The project developed is a smart trash bin, which automated the separation of bottles and cans using image processing and artificial intelligence.