

Ithallo Junior Alves Guimarães

1 Personal Information

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GitHub: <https://github.com/ithallojunior>

2 Introduction

Python developer and MSc student of Biomedical Engineering with an Electronics Engineering background. Experienced with Python with more than 5 years, Machine Learning with about 4 years, biomedical (and electronic) instrumentation with more than 2 years, biomedical signal acquisition with more than 2 years, digital signal processing with more than 2 years, SQL, C, and many others. Self-taught, committed, and a fast learner. I natively speak Portuguese, basic French and Spanish, and I'm fluent in English.

3 Formal Education:

2018 - present day

Master's degree in Biomedical Engineering - University of Brasilia (UnB), Brasilia, Brazil.

2012 - 2017

Bachelor's degree in Electronics Engineering - University of Brasilia (UnB), Brasilia, Brazil.

2014 - 2015

Exchange Student (Electrical Engineering) - Budapest University of Technology and Economics (BME), Budapest, Hungary.

4 Work Experience:

September 2019 - present day

Python developer - Coopersystem.

Web systems development with Python using Django and Django REST Framework.

January 2019 - present day

Private teacher.

Review lessons on academic subjects, such as calculus, digital electronics, and programming and writing of high school supplemental material.

March 2018 - September 2019

Scholarship Holder - Coordenadoria de Aperfeiçoamento de Pessoal de Nível Superior (CAPES).

Scholarship holder of the Postgraduate Program in Biomedical Engineering of the Gama Faculty, University of Brasilia (PPGEB FGA-UnB).

Research field: Analysis and development of health and intelligent systems.

October 2018 - December 2018

Voluntary Teacher - Gama Faculty, University of Brasilia (FGA-UnB).

Teacher of the Laboratory of Digital Electronics 1 course.

March 2018 - July 2018

Teaching Intern - Gama Faculty, University of Brasilia (FGA-UnB).

Lectures given on the Artificial Intelligence course about Artificial Neural Networks and Genetic Algorithms.

September 2017 - February 2018

Python developer - LoopKey.

Development of communication, automation, and control systems via Bluetooth on embedded Linux systems with Python.

January 2016 - January 2017

Scholarship Holder - Fundação de Apoio a Pesquisa do Distrito Federal (FAP-DF).

Scientific initiation scholarship holder for the Laboratory of Health Informatics (Laboratório de Informática em Saúde - LIS) of the University of Brasilia (UnB) on the project of technological development for the adaptation of artificial limbs on transfemoral amputees, working with electronics circuit design, Python, and applied Machine Learning models.

September 2014 - August 2015

Scholarship Holder - Coordenadoria de Aperfeiçoamento de Pessoal de Nível Superior (CAPES).

Exchange student and scholarship holder for the Science without Borders program of the Brazilian Government on the Budapest University of Technology and Economics (BME).

5 Skills:

5.1 Languages:

Language:	Speaking	Reading	Writing
Portuguese	Native	Native	Native
Inglês	Fluent	Fluent	Fluent
Spanish	Basic	Basic	Basic
French	Basic	Basic	Basic

5.2 Softwares, systems, programming languages, and other skills:

- Python;
- C;
- Shell;
- Hadoop;
- C#;
- SQL;
- MongoDB;
- Machine Learning;
- Spark;
- L^AT_EX;
- Git;
- AngularJS;
- Matlab;
- Octave;
- Julia;
- Office (Word, Excel, and PowerPoint);
- LibreOffice;
- Pages, Numbers, and Keynote;
- Windows, GNU/Linux, and MacOS (OS X);
- Biomedical signal acquisition;
- Biomedical (and electronic) instrumentation;
- Analog and digital filtering;
- Arduino;
- Digital signal processing;
- Bot creation.