

Guilherme Horta Alvares da Silva

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Education

FGV (Fundação Getúlio Vargas)

MASTERS IN DATA SCIENCE

Rio de Janeiro, Brazil

Mar. 2018 - Mar. 2020

IME (Instituto Militar de Engenharia)

B.S. IN COMPUTER ENGINEERING

Rio de Janeiro, Brazil

Jan. 2013 - Dec. 2017

Experience

University of Ottawa

COMPUTER ENGINEER INTERN

Ottawa, Canada

Aug. 2016 - Jan 2017

- Programmed an Android Application to take pictures of a person, query Microsoft Azure Face API to recognize his face and after look for him at Google or Bing
- I searched for people faces using Bing API and I uploaded these pictures in Microsoft Azure Face API
- Used by the teacher at conference with more than 500 people and accuracy greater than 90%

Major Projects

Cryptocurrency

April. 2018 - June. 2018

- Implemented a copy of bitcoin using python with flask API

Algebraic connectivity between trees

Jul. 2017 - Nov. 2017

- Created a website for the teacher and their masters students that show Algebraic Connectivity, Eigenvectors of trees between 10 and 20 nodes and their figures
- Designed and developed by me for Web using Django, MySQL, AngularJS, D3JS and Bootstrap
- The eigenvectors and algebraic connectivity was calculated using python

Find Beer

May. 2015 - Jun. 2015

- Built a website that find the closest beer seller from the user
- Designed by colleague and developed by me for Web using AngularJS and Bootstrap, with back-end using Java HTTP Server and MySQL
- It was used by the people at the class with 5 to 7 bars in Rio de Janeiro and 10 kinds of different beers

Skills

Programming Python, JavaScript (4 years), C/C++, Java (2 years), Solidity for ethereum, Clojure (few months)

Web Django with Python, AngularJS, Bootstrap

Technologies Docker, Cloud Computing, Serverless architecture, Serverless Framework, UNIX/BASH, Blockchain

Online Courses Machine Learning (Stanford, 2013), Software Debugging (Udacity), Software Testing (Udacity), Learning from Data (Caltech), AWS Serverless APIs and Apps (Udemy), Ethereum and Solidity: The Complete Developer's Guide (Udemy)

Honors & Awards

INTERNATIONAL

2015 **3rd prize**, Ibero American Olympiad of Mathematics University

Mexico

2015/2014 **Honorable Mention**, International Mathematics Competition

Bulgaria

DOMESTIC

2016 **2nd Prize in 38**, Engineering Probability and Statistics Competition (ESPC)

Ottawa, Canada

2015 **3rd prize**, Brazilian Mathematics Competition

Brazil

2014 **Honorable Mention Team**, ACM- ICPC (programming marathon)

Brazil

2014/2013 **Honorable Mention**, Brazilian Mathematics Competition

Brazil

2009 **3rd prize**, Brazilian Physics Competition

Brazil