

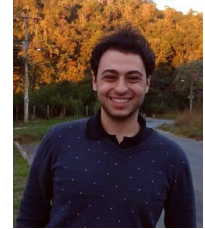
# Andre MOTTA

## PhD Student | NCSU

in [linkedin.com/in/andre-motta](https://www.linkedin.com/in/andre-motta)

☎ +1 919 985 4080 @ [alustos@ncsu.edu](mailto:alustos@ncsu.edu)

📍 Raleigh, NC 🇧🇷 Brazilian Citizen



Computer Science BSC from Universidade Federal de Minas Gerais.

Interested in Machine Learning, Data Mining, Data Science (both applied and theoretical)

Interested in Applications of Software Engineering for Data Science, Data Engineering and A.I.

Interested in Networks, Algorithms, Mobile Robotics, and Economy

## 📁 PROJECTS

### NSF GRANT PROJECT

2019 - CURRENT

Under the supervision of Professor Tim Menzies, researching the possibility of pairing resumes with job descriptions based on several different machine learning techniques. Specially worked with optimized encodings to see whether they affect the decision process for a machine learning algorithm.

Python C# Javascript

### LEGGO

2018 - 2019

🔗 <https://leggo.org.br/>

Working with Professor Adriano Veloso from UFMG and Law Student Raphael Rangel from FDMC. We are researching inconsistencies in the lawmaking process. Using NLP techniques we seek to identify and categorize articles from bills which were inserted only to make the bill be approved through the Representatives House and consequentially the Senate. We also seek to characterize the general content of laws in Brazil, as in respect of giving rights and setting duties. And to identify the subtle changes in the application of legal principles throughout time. The project is shared with the Linguistics department from UFCG

Python ReactJS Node

### AN INTELLIGENT PORTFOLIO MANAGER IN THE SPECULATIVE MARKET

2018 - 2019

Under the supervision of Professor Olga Nikolaevna and with help from Professors Adriano Cardoso and Wagner Meira Jr, and using as basis the existence of permanence in the Cryptocurrency market from previous work. I am developing a machine learning approach using data mining techniques and random forests to build an AI based portfolio manager for the cryptocurrency market and as baseline we use a previous study on the stocks market.

Python

### RESEARCH ON THE EFFECT OF ADS IN THE AUDIENCE OF ONLINE RADIOS

2018 - 2019

Working with Professor Olga Nikolaevna and the MSCS Student Lucas Machado to research the influence and effect of ads in the audience of online radios listed in Shoutcast. We also compare the same influence of ad Instagram Posts to non sponsored content on users profiles general reach and interaction.

Python R

## 📁 PROFESSIONAL EXPERIENCE

Current  
2018

### Owner, OCEANSOFT, Brazil

- > Project development
- > Mobile Applications, Web Apps, APIs, Databases, Data Pipelines
- > , Javascript, Python

.NET Xamarin SQL NOSQL React Native ReactJS Python Flask

July 2019  
July 2018

### Machine Learning Engineer | Internship, CSU MARKETSYSTEM, Brazil

- > Developing consumer grade predictive models, and also designing software architectures for integrating the generated models into existing solutions

.NET Python SQL Hadoop PISql

January 2018  
June 2018

Software Engineer, JR MENDONÇA, Brazil

> Working with diverse projects in a Software Factory in Belo Horizonte.

.NET Xamarin SQL NOSQL React Native ReactJS Python

## SKILLS

**Programming** Microsoft .Net (C#, C++, Javascript, Python)

**Frameworks** .Net Framework, Xamarin, React Native, ReactJS

**Databases** Firebase, Hadoop, Oracle Database, Microsoft SQL Server, MySQL, PostgreSQL

## + LANGUAGES

English ● ● ● ● ●  
Portuguese ● ● ● ● ●  
Japanese ● ● ● ○ ○

## </> PROGRAMMING LANGUAGES

C ● ● ● ● ●  
C++ ● ● ● ● ●  
Python ● ● ● ● ○

## HONORS AND AWARDS

2019 Best Student Award - Computer Science BsC

## TEACHING AND MENTORING

**Current** Graduate Teaching Assistant, NCSU, Raleigh, NC  
**August 2019** > CSC230 - C and Software Tools  
C Bashscript