charlesmoraes

software engineer - data scientist

about

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languages

native portuguese
fluent english
spanish notions

programming

Python, R
Django, Flask
Numpy, Pandas, Scipy
Keras, Theano
Tensorflow
Scikit-learn
C, C++, Java, Go
Spark, AWS
Ruby on Rails
PostgreSQL, NoSQL
DynamoDB, MongoDB
JavaScript
CSS3 & HTML5

interests

Data science, machine learning, artificial intelligence, big data, open source, microservices, data mining, innovation, new technologies, robotics, internet of things

education

2012 - 2017	**B.Sc.**	Federal University of São Carlos – UFSCar, Sorocaba

Majoring in Computer Science

2013 – 2014	**Exchange Program**	Bangor University – Bangor, Gwynedd, United Kingdom

Science Without Borders Program - fully funded scholarship recipient
Non-graduating Undergraduate in Computer Sciences
Non-degree seeking credits at Undergraduate Bachelor degree level

experience

2017 – now **TunEduc** São Paulo, Brazil
Software Engineer & Data Scientist
I've been responsible for developing a couple more APIs for data collection and Item Response Theory, including the development of a Python & R IRT package using RPy2. I've also participated more in data related tasks, all the way from extracting or mining to cleaning, processing and finally giving analysis with interesting graphs, mostly done with Python using Pandas, Seaborn, Matplotlib, etc.

2016 **TunEduc** São Paulo, Brazil
Development Intern
During my internship I was given full autonomy and responsibility of developing a complex API(Flask) in which a student could estimate his National Exam score(ENEM). It ended up being used by 420.000 users, with peaks of 600 requests per second.
I've also contributed to other projects like a school geo marketing platform in Rails and some web crawling and scraping demands.

2014 - 2015 **UFSCar** Federal University of São Carlos, Sorocaba, Brazil
Research Intern
I've contributed to a Master's student project where I was responsible for developing a web crawler and scraper using Python's Scrapy, in addition to that I've developed several other minor solutions using Python.

volunteer

since 2015 **TECHO | TETO** Volunteer
Volunteer in building emergency houses for people in extreme poverty conditions.