

Hugo P. Santos

DATA SCIENTIST

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"Little things make big days"

Summary

I am a Data Scientist and a Big Data enthusiast with a Computer Science background. My work experience allowed me to work in several challenging Machine Learning problems. I was responsible for developing a Document Classification system, where I was able to obtain 70% of accuracy on a multi-label classification problem using Random Forest. Worked on a Object detection module for Automated Document Parsing (PDFs) using state of the art Deep Learning techniques. Also, have experience working with Graphs to solve problems like Customer Churn and Client Segmentation. During the development of some of my projects I was also responsible for managing necessary stakeholders.

The love for new technologies and challenges is what motivates me and I am always interested in learning new things.

Experience

Celfocus

Lisbon, Portugal

DATA SCIENTIST TEAM LEAD

Oct 2019 - Present

- Responsible for mentoring one team member in a data science project.
- Responsible for creating new business value proposals and presenting them
- Development of data science solutions such as Anomaly Detection in Set up Boxes.
- **Technologies:** Python, Apache Spark, Pyspark, AWS(S3,EMR), GitLab, Zeppelin, Python Bokeh.

ISCTE-IUL

Lisbon, Portugal

MONITOR

Sept 2019 - Present

- Responsible for create contents and teaching hands-on classes on Big Data Algorithms.
- **Technologies:** Apache Spark, Python, Hadoop.

Novabase

Lisbon, Portugal

DATA SCIENTIST & RESEARCHER

Oct 2017 - Present

- Responsible for proposal creation, status report, in a python module for categorize, project management documents using Heuristics(specific keywords) and machine learning techniques(Data Extraction,Data cleaning,TF-IDF, SVM,RF,DT).
- Mentoring in a 1 month internship in a data science project whose the main purpose is evaluate if the house prices will be increase or decrease.
- Create a parser library to convert PDF,Image,HTML files into Data Objects, Using Heuristics(Regex,Keywords) and Deep Learning for object detection localization using Faster R-CNN, SSD, YOLO networks.
- **Technologies:** Java, Python, Deep Learning, Image Processing, Tensorflow, Keras.

Novabase

Lisbon, Portugal

FULL STACK DEVELOPER

May 2017 - Oct. 2017

- Bug fixing and code refactor on a document platform, witch classify documents using machine learning techniques NLP.
- **Technologies:** Java, JavaScript, HTML5, CSS, Bootstrap, Git.

GS1 - Portugal

Lisbon, Portugal

FULL STACK DEVELOPER

Apr. 2016 - May 2017

- Developed a tracking platform system for food products that come from different countries and are mixed. e.g: sausage production.
- **Technologies:** Outsystems, .Net, Javascript, CSS, HTML5.

KCSIT(Contractor) - Timwe(Client)

Lisbon, Portugal

BACKEND DEVELOPER

Apr. 2015 - Apr. 2016

- Developing Billing Api's integrated with Mobile Operators in order to charge clients when they by some content on our platform.
- **Technologies:** Java, Shell Scripting, REST, SOAP, SVN, JUnit, Tomcat Junit.

ITSECTOR(Contractor)- Millennium BCP(Client)

BACKEND DEVELOPER

Oeiras, Portugal

Jul. 2014 - Apr. 2015

- Incident Analysis in Mobile and Web Channels of the bank.
- Developing new features and web services for web and mobile consumption. Ongoing maintenance.
- **Technologies:** Java, Shell Scripting, SOAP, JUnit, TFS.

Skills

Programming Python, Java, R, Scala

Web HTML5, CSS, Javascript

Frameworks Pandas, Scikit-learn, TensorFlow, numpy, NLTK, Flask, Django

Algorithms K-means, Support Vector Machine, Random-forest, Decision tree, Naive Bayes, Yolo, Fast-RCNN, Neural Networks, Convolutional Neural Networks

Languages English, German, Portuguese, Spanish

Education

Rumos

DEVELOPING ON AWS

Lisbon, Portugal

October. 2019 - October. 2019

- Developing on AWS module

ISCTE(University Institute of Lisbon)

MASTERS IN COMPUTER SCIENCE AND BUSINESS MANAGEMENT ENGINEERING

Lisbon, Portugal

October. 2019 - 2020 expected

- Master Thesis: Churn Prediction in Telecommunication Sector using graphs and network embeddings.

ISCTE(University Institute of Lisbon)

POSTGRADUATE IN COMPUTER SCIENCE AND BUSINESS MANAGEMENT ENGINEERING

Lisbon, Portugal

October. 2016 - 2017

IPCB(Institute Polytechnic of Castelo Branco)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Castelo Branco, Portugal

October. 2010 - 2014

Extracurricular Activity

DaBeira

OWNER

Castelo Branco - Portugal

Jun. 2014 - Present

- Beekeeper and honey seller
- Seller of regional products such as: Honey, Pollen Olive oil

Imagine Cup Portuguese Final (4rd place)- Citizenship: SensesIM

ANALYST/DEVELOPER

Lisbon, Portugal

2014

- Create a application for windows phone 8 which has the ability to translate from gestures to text and vice-versa
- Technologies: windows phone 8 XAML, C

Krav Maga

PARTICIPANT

Lisbon, Portugal

2016

- Yellow belt of Krav Maga