[Luís Cristóvão] | [Curriculum Vitae]

Portugal

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[Sex]: Male

Position

Computer Programmer

Skills & Abilities

[Skill level index used in CV]:

Level: A1/A2: basic level user - B1/B2 independent user - C1/C2: advance user

[Programming Languages]:

Javascript, HTML, Python, C# - (C1) level, very comfortable, programming in these.

Java, Node js, Bottle: Python Web Framework , SQL - (B2)

PHP - (A2)

Shell Scripting (Unix) - A1

R , Shiny - A1

[DataBases]:

MySql, Postgres

[Microsoft Office]:

Microsoft Office (Word, Excel e PowerPoint) - (B2)

[Game Creation FrameWork]:

Unity - (B2)

[Video and Image Editing]:

Microsoft Movie Maker - (B2)

GIMP 2 - (B1)

FFMPEG -(A2)

[2D Animation]:

Macromedia Flash 8 - (B2)

OpenToonz - (A2)

[Arduino Uno]:

Beginner level user.

[Git Desktop]:

(B2)

[Driving License] :

Class/Category: **B**

Experience

[Jr Consultant Engineer] — **[Altran Portugal]** [19/10/2017] — [Now]

[Position]:

My position in this job, was being a programmer in engineering research and development department.

[Project: Junior Support on an Hadoop Cluster]: [3/7/2018] to [28/9/2018]

My main goal was to help with the support of a Hadoop Cluster with a senior colleague, in order to guarantee it's well functioning. More specifically, some functions done in this project were:

- Use Cloudera Manager to supervise and change configurations on Hadoop Services,
- Install new parcels on the cluster services.
- create\delete users, groups in all machines of the cluster.
- Troubleshooting errors in the Cluster (in general)
- Automation of support procedures.
- Grant permissions to impala tables, kafka topics, hdfs folders…
- Installing jars
- Documenting procedures, cluster state and architecture.

Basically ensuring the well being of the Hadoop Cluster.

[Project: Computer Vision for Autonomous Driving]:

We had two goals, estimate the visibility distance of a road image (for instance in a fog environment), and detect road lanes. To do this we used python and a library/module OpenCV for the image processing algorithms.

[Project: Predictive Maintenance of electric Motors]:

Developing a web app prototype that collects stores and shows electric motors info, and on top that estimates when the motor needs repair.

Education

[Altran Big Data Analytics Academy]: [19/10/2017] to [30/11/ 2017]

[Final Score] - 16 in 20

[Learning Objectives]:

The goal of this course was to learn the basics and essentials of the topics data processing, machine learning and big data. In the course we learn in machine learning and data analytics, to use python best known modules to deal with these topics such as numpy, pandas and sklearn. In big data processing, we worked with Spark and WSO2.

[Degree] - Master Degree in Electrical and Computer Engineering [2010] – [2017]

[University] - NOVA, faculty of science and technology

[Location] - Caparica, Lisbon

[GPA] - 14,06 in 20

[Master Thesis] - Smart Cities - A Serious Digital Game, 17 values in 20

[Thesis Objective]:

Create a computer game that teaches basic and essential knowledge of Smart Cities to children.

[Other Relevant Projects in University]:

- Creating medical triage service website, using PHP, HTML, MySql
- Create a sell or rent website store, using HTML, Javascript, PHP, MySql
- Identification of traffic signs, using C# and openCV
- Using MindStorm Lego robots, make one follow a line using infrared sensors and make the robot navigate through a labyrinth using only one ultrasound sensor.
- Finish a auction house site, using Node js, Socket io, MongoDB, HTML, Javascript …
- Also did Arduino projects
- Make Http Server using Java.
- Controlling a warehouse robot kit, using C/C++
- Make a car database using a txt file, on C

[International Baccalaureate - High School Equivalent]: [2008]—[2010]

[GPA] - 12,4 in 20

Communication

[Mother tongue]: Portuguese

[English Language]

[Reading Skills]: B2

[Oral comprehension]: B2

[Oral Interaction]: B1

[Writing skills]: B1

[Communication skills]:

During my master thesis, I had the opportunity to participate on two events (Noite Europeia dos Investigadores and Movimento Código Portugal both at Pavilion of Knowledge in Lisbon) where I had the possibility to present the game developed in thesis to people that came to the booth. Teamwork in University was a constant, and learn a lot by sharing and communicating my ideias and solutions with colleagues.

Interests/Final Comments

[Professional Interests]:

- Backend and frontend web services
- Automation of processes
- Developing Video Games
- Working more with Arduino and Raspberry pi
- Using machine learning as a tool for applications

[Leisure Interests]:

- Socializing with friends and family
- Wander through nature
- Casually practice sports