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Gender: Male **Date of birth:** 29 Sep 1989 **Nationality:** Portuguese

WORK EXPERIENCE

[Jun 2020 – Oct 2020] **Technical Researcher**

Void Software

City: Leiria

Country: Portugal

Main activities and responsibilities:

- Used Machine Learning applied to industry (classification/instance segmentation).
- Code JavaFX and Spring applications.
- Tools: Python, PyTorch, JavaFX, Spring.

[Sep 2017 – Dec 2017] **Coder**

Freelance

City: Soure

Country: Portugal

Main activities and responsibilities:

- Worked with university colleagues to develop a platform used for restaurant services (mobile and web app).
- Tools: React, Angular, Java

[Jun 2017 – Jul 2017] **Mathematics Tutor**

Explicacoes Eureka

City: Marrazes

Country: Portugal

Main activities and responsibilities:

- Helped students from the 6th grade up to high school achieve their goals through oriented and systematic problem-solving.

[Apr 2017 – Jun 2017] **Coder**

Freelance

City: Home

Country: Portugal

Main activities and responsibilities:

- Helped implement a higher-level framework like Keras but using PyTorch and TensorFlow as backend.
- Helped make an Android app that connected to a backend with the basic features to do login, sign-up, list available datasets for the account, and make a visual placement of basic neural networks.
- Tools: Python, Tensorflow, PyTorch.

[Sep 2015 – Dec 2015] **Consultant**

JTA & Associados

City: Porto

Country: Portugal

Main activities and responsibilities:

- Automated excel presentations to display metrics by country.
- Queried SQL Server databases to compute a data model.
- Made a website with ASP.NET and C# as backend.
- Tools: ASP.NET, C#, SQL Server, R, PowerBI.

[Jan 2015 – Jun 2015] **Researcher**

Institute For Systems and Robotics

City: Coimbra

Country: Portugal

Main activities and responsibilities:

- Calibrated cameras using optimization methods (Least Squares).
- Implemented stereo image capturing with the purpose of determining pixel-wise depth with SymStereo.
- Tools: Matlab, C, C++.

[Dec 2013 – Oct 2014] **Researcher**

University of Coimbra, Mathematics Department

City: Coimbra

Country: Portugal

Main activities and responsibilities:

- Researched algorithms for indoor localization using the WIFI network signal.
- Used as support for the Master Thesis.
- Tools: Java, Android, Java awt, ImageMagick.

EDUCATION AND TRAINING

[Aug 2020 – Oct 2020] **Computer Vision Nanodegree**

Udacity

<https://confirm.udacity.com/K9AZHKPM>

[Dec 2019 – Mar 2020] **Deep Reinforcement Learning Nanodegree**

Udacity

<https://confirm.udacity.com/RF5JQ PDT>

[Nov 2017 – Apr 2018] **Deep Learning Specialization**

Coursera

<https://coursera.org/share/0b5575123e5ce7c2ea75d53fcdf0f95e>

[Sep 2012 – Jul 2014] **Masters**

Department of Mathematics from the University of Coimbra

Address: Coimbra, Portugal

Field(s) of study: Mathematics

Final grade: 15 over 20

[Sep 2009 – Jul 2012] **Bachelors**

Department of Mathematics from the University of Coimbra

Address: Coimbra, Portugal

Field(s) of study: Mathematics

Final grade: 16 over 20

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

DIGITAL SKILLS

HTML5/CSS, Javascript | React js | Operating Systems (Windows, Linux) | Git | SQL |
Java | Python (Keras, TensorFlow, PyTorch) | Facebook Detectron2 | Spring Boot |
Ubuntu