

# Pedro Jorge

Mathematician

Math and deep learning are amazing



pmrjge@gmail.com

+351968493446

Leiria, Portugal

www.datacamp.com/profile/pmrjge

linkedin.com/in/prjrg

pmrjge@gmail.com

github.com/prjrg

## SKILLS

Deep Learning   Deep Reinforcement Learning   Statistics   PyTorch 1.x   PyTorch-Lightning   Keras   NLTK

Scikit-learn   XGBoost   Numpy   Jupyter   Pandas   Matplotlib   SciPy   OpenCV   Detectron2

MMDetection   Tensorflow 2.x   MySQL   PostgreSQL   ReactJS   LaTeX   Git   Spring Boot   Ubuntu

Debian

## WORK EXPERIENCE

### Technical Researcher

Void Software

06/2020 - 10/2020

Leiria

Tasks

- Used Machine Learning applied to industry.
- Coded JavaFX and Spring applications.

### Researcher

Institute of Systems and Robotics

01/2015 - 07/2015

Coimbra

University of Coimbra

Tasks

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

### Researcher

Department of Mathematics

12/2013 - 10/2014

Coimbra

University of Coimbra

Tasks

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

## EDUCATION

### Masters

Department of Mathematics from the University of Coimbra

2012 - 2014

Coimbra

Course - Grade

- Mathematics - 15/20

## EDUCATION

### Bachelors

Department of Mathematics from the University of Coimbra

2009 - 2012

Coimbra

Course - Grade

- Mathematics - 16/20

## COURSES

Computer Vision Nanodegree (08/2020 - 10/2020) [↗](#)

Udacity

Parallel Programming in Java (08/2018 - 08/2018) [↗](#)

Coursera

Convolutional Neural Networks (03/2018 - 03/2018)



Coursera

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (08/2017 - 08/2017) [↗](#)

Coursera

Functional Programming Principles in Scala (05/2017 - 05/2017) [↗](#)

Coursera

Advanced NLP with spaCy (11/2020) [↗](#)

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Extreme Gradient Boosting with XGBoost (10/2020) [↗](#)



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Unsupervised Learning in Python (10/2020) [↗](#)

Datacamp

Joining Data in SQL (10/2020) [↗](#)

Datacamp

Deep Reinforcement Learning Nanodegree (12/2019 - 03/2020) [↗](#)

Udacity

Sequence Models (04/2018 - 04/2018) [↗](#)

Coursera

Structuring Machine Learning Projects (08/2017 - 08/2017) [↗](#)

Coursera

Neural Networks and Deep Learning (08/2017 - 08/2017) [↗](#)

Coursera

Ruby on Rails: An Introduction (11/2016 - 11/2016)



Coursera

Introduction to Natural Language Processing in Python (10/2020) [↗](#)

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Machine Learning with Tree-Based Models in Python (10/2020) [↗](#)

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Supervised Learning with scikit-learn (10/2020) [↗](#)

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Introduction to SQL (10/2020) [↗](#)

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## LANGUAGES

Portuguese

Native or Bilingual Proficiency

English - IELTS 7/9

Full Professional Proficiency