

EXPERIENCE

Machine Learning Researcher

July, 2021 – Present

Fraunhofer Portugal

📍 Porto

- Researched and developed ML/DL/RL solutions: predictive maintenance, anomaly detection, defects detection, real world simulations, QA chatbot.
- Lectured machine learning courses to different companies.
- Lead internal MLOPS group that introduced best practices such: code styles, experiment tracking, data versioning.

Technologies: Pytorch, Slurm, MLflow, DVC, pre-commit, Spark, Docker, REST Apis, bash.

Software Engineer Freelancer

July, 2020 – December, 2021

Gile

📍 Remote

- Implemented different kinds of websites: online stores, blogs.
- Developed machine learning solutions: sales predictions, sports actions classifier.

Technologies: PHP, SQL, Laravel, HTML, CSS, JS, Vue.js, Svelte, Pytorch, LightGBM, CI/CD.

Full Stack Engineer

December, 2015 – September 2020

Junta Digital

📍 Porto

- Built and implemented websites that boosted the sales, refreshed the image and extended the reach of the clients.

Technologies: PHP, SQL, Laravel, HTML, CSS, JS, Vue.js, CI/CD.

Operations Intern

August, 2018 – October, 2018

EatFirst

📍 London

- Managed drivers and created/optimized processes to increase the orders dispatch rate.

Research Student

May, 2013 – May, 2014

IBMC

📍 Porto

- Performed a study on rats mielin. Analyzed images of rat's sciatic nerves to study possible relation with diseases.
- Technologies: ImageJ, Excel.

EDUCATION

Masters Degree in Electrical and Computer Engineering

September, 2018 – August 2020

Faculty of Engineering, University of Porto

- Specialization in Telecommunications (Networks), Electronics and Computers.
- Thesis: μ -cf2vec. Developed a framework in python using Meta learning, Representation Learning and Collaborative Filtering.
- Technologies: Python, Tensorflow, Lightgbm.

Exchange Student in Electrical Engineering and Computer Science

August, 2019 – December 2019

Hong Kong University Science Technology

- Courses: Artificial Intelligence, Search Engines and Applications, Cryptography and Security, Embedded Systems, Engineering Research.

Bachelors Degree in Electrical and Computer Engineering

September, 2015 – July 2018

Faculty of Engineering, University of Porto

- Courses: Electronics, Circuits, Calculus, Statistics and Probability, Digital Signal Processing, Computers, Control Theory, Data Science.

PROJECTS

USE PCA Visualizer

- Webapp that uses Tensorflow Js to obtain sentence embeddings and creates a plot.

Promofier

- Trained Pytorch model with custom dataset to recognize products in promotions flyer.

ACHIEVEMENTS

Publication on ICDM W 2020

Paper from master thesis work. μ -cf2vec

U20 World Trophy Vice-Champion

2017 Rugby World Trophy