

José Pedro Pinto

Curriculum Vitae

Personal Information

Name **José Pedro Ribeiro Ferreira Pinto.**
Born on **20/7/1998.**

Professional experience

- Nov. 2020 – **Data scientist, INESC TEC**, Porto, Portugal.
Now Collaboration with Efacec on the project *transformer4.0*. Investigation, identification and solving of problems in power transformer deployment cost optimization using ML methods. Developed a data visualization pipeline for 2D and 3D plots, a full preprocessing methodology, from data imputation to transformations, a model training and hyperparameter tuning approach and a comprehensive result validation method. Managed, developed and presented various results in the form of scientific articles and company wide meetings.
- Jul. 2020 – **Data engineer (Internship), INESC TEC**, Porto, Portugal.
Set. 2020 Development of a solution for classification of LIDAR point clouds. Successfully developed and deployed a point cloud data generation and optimization approach, a wide array of deep learning computer vision models and automated hyperparameter optimization tools
- Jul. 2019 – **Software engineer (Internship), Health Data Pioneers GmbH**, Munich, Germany.
Set. 2019 Development of a web application for form creation with a drag-and-drop interface for the company's flagship software. Successfully delivered an MVP in 3 weeks, with the remaining time being spent on iterative feature improvement and addition.

Education

- 2019–2021 **Masters in Data Science, Faculty of Sciences of the University of Porto (FCUP)**, Porto, Portugal, Final grade average: 18/20; Thesis: 19/20.
A variety of courses focused on classical and applied computational mathematics, staple machine learning methods, optimization, parallel and distributed computing and deep learning. Thesis: *Identification of Viable Dissolved Gas Analysis Subsets for Power Transformers*.
- 2016–2019 **Bachelors in Computer Science, Faculty of Sciences of the University of Porto (FCUP)**, Porto, Portugal, Final grade average of 16/20.

Computer Knowledge

Programming languages and markup

Python, R, C, Java, Javascript, AMPL, Prolog, HTML, CSS and \LaTeX

Data science and Databases

Tensorflow/Keras, Pandas, Numpy, SPARK, Google Cloud, MySQL, MariaDB and Google BigQuery

Others

Git/GitHub and Docker

Publications

- Article **Optimal Gas Subset Selection for Dissolved Gas Analysis in Power Transformers.**
José Pinto et al. Under peer-review for the *International Journal of Electrical Power and Energy Systems*.

Languages

- Portuguese Native speaker
English Full professional fluency