



Pedro Santos

DATA SCIENTIST | CIVIL ENGINEER

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PERSONAL SUMMARY

Positive, committed and self-motivated, I decided to follow my passion and change my career to Data Science, after some years working on important construction projects.

I'm **curious, confident** and a **dedicated team player**, used to work and lead big **multicultural teams**.

Along with **problem solving** and **planning**, which was my usual day-to-day, I always loved technology and programming, and I am fascinated by **Data Science** and all its applications.

AREAS OF EXPERTISE

- **Python**
- **Data Analysis**
- **Machine Learning**
- **Data Engineering**
- **Project Management**

TECHNICAL SKILLS

- Python
- SQL
- BigQuery
- Pandas
- Numpy
- Matplotlib
- Seaborn
- Scipy
- NLTK
- Statsmodels
- Scikit-learn
- TensorFlow Keras
- ML Flow
- Jupyter Notebook
- Google Colab
- Google Cloud Platform
- Apache spark
- DBeaver
- Github
- Streamlit
- MatLab
- VisualBasic
- HTML
- CSS
- Ruby
- Power BI
- Microsoft Excel
- Microsoft Project
- Microsoft Office
- AutoCad
- SAP
- CCS

LANGUAGES

- Portuguese (Native)
- English (Fluent)
- Spanish (Basic)

ACADEMIC HISTORY

Data Science Course

September 2020 - December 2020



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- **Data analysis**, visualization and exploration with **Python** libraries
- **Data collection** using Google Big Query, **APIs**, **Web Scraping** and **SQL** queries
- **Mathematical concepts** behind Data Science and Decision Science
- **Machine Learning**, **Supervised** and **Unsupervised** methods
- Machine Learning best practices (preprocessing, training and testing, performance metrics, manage overfitting)
- **Deep Learning Neural Networks**, Convolutional NN, Recurrent NN, Natural Language Processing (**NLP**), image and text processing
- **Data Engineering**, machine learning **Pipelines**, **Workflow** and product deployment
- Final Project: **Bitcoin Price Predictor**

Master in Civil Engineering

September 2010 - September 2012



FEUP
FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

- Specialized in Geotechnics
- Master's Thesis: "Análise Sísmica de Estruturas Enterradas do Tipo Box-Culvert"

Degree in Civil Engineering

September 2007 - January 2011



Instituto Superior de
Engenharia do Porto

WORK EXPERIENCE

Construction Project Manager

September 2019 - August 2020 | Domingos da Silva Teixeira, S.A.

- Lisbon subway station remodeling (Estação do Areeiro - Metropolitano de Lisboa)

Construction Project Manager

February 2018 - August 2019 | Ferreira Build Power, S.A.

- Construction of a 3 star and a 5 star hotel in Lisbon (Hotusa Hotels)

Deputy Construction Manager

July 2014 - December 2017 | Somague Engenharia, S.A.

- Construction of Foz Tua Hydroelectric Power Plant (EDP)

Geotechnical Project Designer

January 2013 - June 2014 | Golder Associates Portugal, Unip. Lda.

- Feasibility project for the expansion of the Neves Corvo Mine Dam (SOMINCOR)