caiomescouto@gmail.com
www.linkedin.com/in/caiomts/
https://caiomts.github.io/

CAIO MESCOUTO TERRA DE SOUZA

SKILLS

I'm a Data Scientist and Python Engineer. I've been building bridges between different domains for a while, gathering requirements with subject matter experts and translating them into integrated data solutions.

EXPERIENCE

Square Management Luxembourg, Luxembourg — *Senior Data Consultant*

JUN 2022 – PRESENT

- Developed data visualization tools and dashboards with Python (Panel Framework and Scientific and Numeric libraries);
- Gathered requirements and business rules to automate ETL routines and build CLI applications, using data orchestration libraries, such as Prefect;
- Produced data analysis reports on ad-hoc demand.

Fluminense Federal University (UFF), Brazil (Remote) — *Data Scientist*

JUN 2021 – JUN 2022

- Worked closely with social scientists to turn qualitative information, including sensitive data (anonymous tip-offs), into quantitative solutions;
- Responsible for developing machine learning models - text classification (NLP) using Scikit-learn and XGBoost (Python);
- Preprocessed text data (Tokenization, Noise Removal, Stopwords, Normalization, etc.) using Python (Pandas, Numpy and NLTK);
- Built data pipelines for feature extraction, selection and engineering using mainly Scikit-Learn;
- Evaluated models through hypothesis testing with parametric and non-parametric tests.

Petros – Fundação Petrobrás de Seguridade Social, Brazil — *Forensic Accounting Coordinator*

AUG 2017 – NOV 2018

- Led a team of 12 people, overseeing and coordinating to ensure that compensation calculations were in line with established policies and procedures, pursuant to court orders (800 calculations on average per month);
- Created operational metrics and dashboards to monitor business performance;
- Acted as the company's forensic accountant.

Petros – Fundação Petrobrás de Seguridade Social, Brazil — *Calculations Analyst*

DEC 2015 – AUG 2017

- Developed a statistical model for calculating contingent liability related to lawsuits (over BRL 3B);
- Worked closely with lawyers to translate lawsuits and business rules into forensic calculations;
- Performed compensation calculations in line with established policies, processes and procedures.

EDUCATION

Toulouse School of Management (TSM), France — *Master in Finance and Information Technology (Grade 15.3/20)*

SEP 2020 – AUG 2021

Instituto Brasileiro de Mercado de Capitais (Ibmec), Brazil — *MBA in Corporate Finance (Grade 8.6/10)*

JAN 2018 – JAN 2019

Federal University of Rio de Janeiro (UFRJ), Brazil — *Bachelor's degree in Economics (Grade 7.1/10)*

FEB 2011 – MAR 2015

COURSES / CERTIFICATIONS

- **IBM Machine Learning Professional Certificate** – 130 hrs, 2022
- **ColumbiaX – BAMM.101x: Analytics in Python** – 108 hrs, 2020

TECHNOLOGY STACK

- **PROGRAMMING LANGUAGE:** Python, Bash, SQL
- **PYTHON LIBRARIES AND FRAMEWORKS:** Pandas, Numpy, Scipy, Scikit-learn, XGBoost, Keras, Prefect, Matplotlib, Bokeh, Panel, Streamlit, FastAPI, Typer, Pytest, Black, Flake8, MkDocs
- **VCS:** Git
- **CI/CD:** Docker, GitHub Actions, GNU Make

GENERAL INFORMATION

- **LANGUAGES SKILLS:** Portuguese (mother tongue), English (C1), French (B2)