

# Daniel JORGE DEUTSCH

## Data Scientist

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📍 Paris, France

## WORK EXPERIENCE

### Kaiko

📅 Sep 2021 - Sep 2022

#### Data Scientist (Intern)

- Built a deep learning model to detect outliers on live market data.
- Worked with the Spark Big Data frameworks in a Hadoop environment to analyse exchanges' trading volume for the creation of crypto indices.

### BTG Pactual

📅 Dec 2019 - Aug 2020

#### Trading Data Analyst (Intern)

- Developed a serverless framework using AWS to monitor every step of the bank's trading data flow.
- Orchestrated the ingestion and processing of the bank's trading data through the Airflow framework.
- Coordinated a team of developers in creating a platform that queries the bank's database to create and visualize KPIs and OKRs.

### Poli Júnior

📅 Apr 2017 - Dec 2019

#### Tech Leader

- Led a group of developers into the creation of a mobile application.
- Structured and lectured a two-month course on the company's technology stack for new and inexperienced employees.

## EDUCATION

### Master M2 Finance, Data, Technology

📅 2021 - 2022

Paris 1 Panthéon-Sorbonne

Emphasis: Machine Learning, Econometrics, Asset Pricing, Risk Management.

### Engineering Degree

📅 2020 - 2022

Télécom Paris - Institut Polytechnique de Paris

Emphasis: Artificial Intelligence and Quantitative Economics.

### Bachelor's Degree in Electrical Engineering

📅 2017 - 2020

Escola Politécnica - Universidade de São Paulo

Emphasis: Automation and Control.

## ADDITIONAL EDUCATION

### Technology and Innovation Strategy

📅 Nov 2020

Mines - ParisTech

### Cryptofinance

📅 Aug 2019

Fundação Getúlio Vargas (FGV)

## RELEVANT PROJECTS

### Effects of Social Media Bots on the Crypto Market

📅 Aug 2022

Sentiment Analysis, Bot Detection, Deep Learning, Unsupervised Learning.

### User Data and Amazon's Products Recommendations

📅 Jun 2021

Data Scraping, Cookies Manipulation, Statistical Analysis.

### Effects of the Interest Rate on the Brazilian Stock Market

📅 Apr 2021

Time Series, Regression Analysis.

### Analysis of Restaurant Competition in Paris

📅 Jan 2021

Data Scraping, NLP, Sentiment Analysis, Regression Analysis.

## ACHIEVEMENTS



### BTG Pactual Code Challenge, 2019

Winning team



### Brazilian Robotics Olympiad, 2016

Silver medal



### Kangaroo Math Olympiad, 2016

Silver medal



### National Science Olympiad, 2016

Honor mention

## LANGUAGES

French

Fluent

English

Fluent

Portuguese

Fluent

Spanish

Intermediate

## VOLUNTARY WORK

### Amigos da Poli

📅 Apr 2019 - Dec 2019

Assisted in the development and implementation of capital raising strategies for the financing of engineering projects.

## SKILLS

### Programming

Python

SQL

C

C++

### Frameworks

Pandas

PyTorch

Keras

TensorFlow

Scikit Learn

Hugging Face

Git

AWS

GCP

PySpark

Airflow

### Topics of Interest/Experience

Statistics

Natural Language Processing (NLP)

Computer Vision

Deep Learning

Machine Learning

Data Visualization

### Soft Skills

Communication

Organization

Leadership

Hard-Working

Creativity

Problem-Solving