Daniel JORGE DEUTSCH

Data Scientist

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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

🏆 **VO2 FTD Master Thesis Competition, 2022**
1st place

🏆 **BTG Pactual Code Challenge, 2019**
1st place

🏅 **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