Felipe Schreiber Fernandes

schreiber.felipe@poli.ufrj.br
https://www.linkedin.com/in/felipe-schreiber
https://github.com/FelipeSchreiber

Education

Universidade Federal do Rio de Janeiro, Rio de Janeiro, RJ
Bachelor, Computer and Information Engineering, December 2021
Universidade Federal do Rio de Janeiro, Rio de Janeiro, RJ
Masters, Operations Research, August 2023
International Cooperation (EPFL): Published article at NeurIPS 2023

Experience

AI Engineer   Banco do Brasil
June 2024,   São Paulo

- I've been part of the Generative AI & Semantics team, building conversational agents to talk with Knowledge Graphs and building the data fabric, i.e., organizing data into graphs format to drive insights about the chain of value.

Software Developer   CEPEL (Centro de Pesquisas da
                                                          Eletrobrás)
March 2024, May 2024   Rio de Janeiro

- I've worked building data pipelines for sensors with Kafka and building iterative web applications with OpenStreetMap to locate the main power substations.

Teacher assistant   UFRJ
February 2021, October 2021   Rio de Janeiro

- Operating Systems (February 2021, October 2021)
  - I've developed codes to introduce C programming for new students
- Distributed Systems (July 2021, October 2021)
  - I've corrected exercises lists and practical works
- Scientific Computing (November 2021, February 2022)
- Graph Theory (November 2021, February 2022)

Data Scientist Intern at Globo   UFRJ
January 2021, July 2021   Rio de Janeiro

- I've worked in Globo's CDN team, obtaining insights that could improve content distribution performance
- I've built a time series benchmark and used graph modeling to derive some insights
- I've built dashboards and queries for data analysis

Undergraduated research scholarship Group of Teleinformatics and Automation
                                                           (GTA) - UFRJ
February 2020, August 2020   Rio de Janeiro

- The main goal was to continue the development of a network tool for intrusion detection in real time, with Spark

Undergraduated research scholarship   Laboratory for modeling, ANalysis and
                                           Development of networks and computing
                                                           systems (LAND) - UFRJ
March 2019, March 2020   Rio de Janeiro

- The main goal was to detect data leakage in smartphones and IoT devices

Certifications

- Data Engineering (GCP)
- Reinforcement Learning (Alberta university)
- Advanced Data Science (IBM)

Awards and Acknowledgements

- First (1st) of my class (GPA 8.5/10, Cum Laude)
- Medals in scientific competitions: Mathematical Kangaroo; Mathematics Olympiad of the State of Rio de Janeiro (OMERJ); Chemistry Olympiad of the State of Rio de Janeiro (OQRJ)