

Gabriel Bromonschenkel

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Experience

Stefanini

Data Scientist

Brasilia, DF

Apr 2023 - Present

- Acting as a data scientist, contract with Banco do Brasil. Developed a machine learning model to optimize the hiring process using internal talent discovery. Investigated fraudulent activities on international transactions and payments with NLP and OCR, saving money from fines. Led the creation of a recommendation system for investment channels.

Tok&Stok

Data Scientist

Sao Paulo, SP

Jun 2022 - Mar 2023

- Conducted data modeling tasks to feed the main tabular structure from Tok&Stok and other destinations. Pioneered market basket analysis to deliver insights about product organization and affinity, and continued sales forecasting project. Led Slack bot features to generate alerts about Analysis Service database overloads and to publish Power BI reports by typing commands in Slack. Helped to maintain the data warehouse, the big data architecture, and data pipelines.

Tok&Stok

Data Science Intern

Sao Paulo, SP

Oct 2021 - May 2022

- Conducted data modeling tasks to feed some reports and an app to rank sellers' performance. Built reports and analyzed data to optimize decision-making about customer budgets, sales performance, store performance, and product discounts. Pioneered regression strategies to solve sales forecasting and analyze goal metrics.

University of Sao Paulo

Undergraduate AI Researcher

Sao Paulo, SP

Jul 2020 - Dec 2021

- Researched methods for applying machine learning and ontologies together for psychiatric analysis.

Federal University of Espirito Santo

Undergraduate AI Researcher

Sao Mateus, ES

Aug 2019 - Aug 2021

- Researched methods for load identification in Smart Grids. Researched methods for face recognition with CNNs and ELMs concepts.

Education

Federal Institute of Espirito Santo

M. Sc., Applied Computing

Serra, ES

2023 - 2025

Federal University of Espirito Santo

B. Sc., Computer Engineering

Sao Mateus, ES

2017 - 2022

Research Papers

A Comparative Evaluation of Transformer-Based Vision Encoder-Decoder Models for Brazilian Portuguese Image Captioning

SIBGRAPI 2024

Gabriel Bromonschenkel, Thiago M. Paixão, Hilário Oliveira

Volunteer

Computer Engineering Academic Center (CAEC)

Sao Mateus, ES

President Director

Dec 2020 - Dec 2021

- CAEC is a university student entity. The roles as CAEC president include: guiding the computer engineering students, organizing events, looking for partners, leading the academic center representatives, and working with the Computer and Electronic Department (DCEL) on behalf of students.

Orienta Covid ES HUCAM UFES

Vitoria, ES

Operational Director

Apr 2020 - May 2021

- It is a project founded by professors/doctors from the University Hospital of the Federal University of Espírito Santo (UFES). Orienta Covid ES HUCAM UFES provides remote advisory about COVID-19 to people in general. Roles as an operational director: providing IT support and managing the telecommunication tools.

Competitive Programming Training

Sao Mateus, ES

Internal Volunteer

Feb 2020 - Dec 2020

- The Competitive Programming Training is an extension project of the UFES, campus Sao Mateus, destined for students' preparation for competitive programming contests. In this project, we organized contests, and studies focused on data structures, graph theory, and algorithms. The group engaged in famous contests such as the ICPC International Collegiate Programming Contest and Google Hashcode.