

DANIEL DOS SANTOS

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EDUCATION

Universidade Federal do Rio de Janeiro, PESC/COPPE Rio de Janeiro, RJ
Masters in Computer Science Jun 2022 – Jun 2024

- Fields of research: Machine Learning, Natural Language Processing & Games;
- CAPES Scholarship (Awarded to students high academic performance);

Universidade Federal Fluminense, IME-UFF Niterói, RJ
Bachelors in Statistics Nov 2016 – Nov 2021

- Relevant coursework: Statistics, Probability, Linear Algebra & Machine Learning;

PROFESSIONAL EXPERIENCE

Americanas Rio de Janeiro, RJ
Data Analyst Aug 2019 – Jun 2022

- Trained sentiment analysis models for automating the evaluation of customer research feedback;
- Implemented models capable of detecting anomalies in Key Performance Indicator (KPI) time series data;
- Responsible for A/B Tests at pages with over 1 million visits per day;

Americanas Rio de Janeiro, RJ
Development Intern Mar 2019 – Aug 2019

- Collaborated with experienced professionals in the design and construction of RESTful APIs that served millions of users;

Fundação Getúlio Vargas - FGV/IBRE Rio de Janeiro, RJ
Researcher Dec 2018 – May 2019

- Implemented an ETL data pipeline to extract product prices from various online sources to compute the inflation index IPC (Consumer Price Index);

SKILLS

Programming: Python, R, C, C++, C#, JavaScript, TypeScript;

Data Science & Machine Learning: A/B testing, Statistics, Time series, Hypothesis testing, SQL, Python libraries (eg. Tensorflow, scikit-learn, numpy, matplotlib);

Other Technologies: Spark, Git, APIs, Docker;

Languages: Portuguese (Native), English (Advanced), Japanese (Beginner);

PERSONAL AND ACADEMIC PROJECTS

Clickbait Spoiler Generation

This study examines different techniques for generating clickbait spoilers on social media by training question-answering models based on BERT and fine-tuning large language models, such as GPT-3 and LLaMA.

Hiding images with Deep Steganography

A Steganography model using Deep Learning to hide secret images within cover images.

Twitter Political Bias Classification in Portuguese

A Transformers-based model that identifies the political bias of Brazilian Portuguese tweets as conservative, liberal, or neutral.

Interactive Doodle Recognition

Deep Neural Network trained to classify doodles as they are drawn by the user.

Game State integration library for Dota 2

The *dota2gsipy* library makes it easy to integrate Valve's Dota 2 game state into Python applications. This can be used to gather real-time match data, such as the positions of players, health, and items.

CONFERENCES AND PAPERS

SANTOS, D.; COSTA, F.; PARREIRAS, M. V.; XEXÉO, G.; MAGALHÃES, M. F.. "Ecopolis: Merging Competition and Sustainability Education in an Resource Management Game". In: Anais do Simpósio Brasileiro de Jogos e Entretenimento Digital (SBGames), 2023, Rio Grande;

PASSOS, L. F. C. ; **SANTOS, D.**; OLIVEIRA, L. S.; MIZUNO, G. P. C. S.. "Twittadas Presidenciais: Análise dos tweets do atual e alguns ex presidentes do Brasil". In: Anais do Seminário Internacional de Estatística com R IV, 2019, Niterói.