

Victor Maricato

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[LinkedIn](#) · [GitHub](#)

Employment

09/2022 –
01/2026

Upwork

Staff Machine Learning Engineer · San Francisco (Remote)

Senior Machine Learning Engineer (01/2024 – 04/2025)

Machine Learning Engineer (09/2022 – 01/2024)

Led team of 3 on LLM and information retrieval research. Drove >\$60M revenue impact using Small Language Models with <200ms latency. Led development of internal RAG model for chat and proposal generation ([Upwork Uma](#)). Fine-tuned SLM for function calling with query decomposition and reformulation; integrated multi-source data pipelines and built LLM-as-Judge evaluation framework. Published at EMNLP 2025: [DispatchQA](#).

09/2020 –
09/2022

Mendelics

Genomics Data Scientist · São Paulo

Built variant prediction model for Brazil's public healthcare using protein language models fine-tuned on local population data. Integrated AI into Cromwell/Snakemake pipelines. Deployed SARS-CoV-2 variant identification pipeline; contributed to PANGOLIN.

04/2019 –
08/2020

OLX

Data Scientist Intern · Rio de Janeiro

Churn prediction, image-based category suggestions, Bayesian analysis for ad optimization.

12/2017 –
04/2019

Shell

Research Engineer (Biotechnology) · Rio de Janeiro

Increased bioproduct yield by 27.4% through Deep Learning regression models.

Projects

2026

[Focusy.co](#)

Founder · Stockholm

Reading assistant for faster reading and better understanding of content.

[Kannel.AI](#)

Founder · Stockholm

Speech-to-text with prompt-guided and formatted transcription.

Education

2024 – 2025

MSc Medical Science · MSc Science

Karolinska Institute · Stockholm University

2019 – 2023

BSc Information Systems

Federal University of Rio de Janeiro

2020 – 2021

Visiting Student in Computer Science (AI)

Heriot-Watt University, Edinburgh

2014 – 2018

Technical Degree in Biotechnology

Federal Institute of Rio de Janeiro

Additional

2022 – 2023

Research Assistant · MIT CSAIL (Part-time)

Google's Advanced Solutions Lab: Machine Learning

English (Fluent, TOEFL 102) · German (Intermediate) · Portuguese (Native)

2022

Languages

Publications

See [Google Scholar](#)