

# Victor Maricato

maricatovictor@gmail.com  
[LinkedIn](#) · [GitHub](#)

---

## Employment

09/2022 –  
01/2026

### Upwork

*Staff Machine Learning Engineer (04/2025 – 01/2026) · 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](#)