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). Published at EMNLP 2025: DispatchQA.
09/2020 – 09/2022	**Mendelics** *Data Scientist · São Paulo* Built variant prediction model used in Brazil's public healthcare system. Reduced medical revision by 90%+. Deployed SARS-CoV-2 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 that parses content from documents, images, and web pages into RSVP format to help users read faster and understand content better.
2024 – 2025	**Kannel.AI** *Founder · Stockholm* Speech-to-text models 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)
2022	**Google's Advanced Solutions Lab: Machine Learning**
Languages	English (Fluent, TOEFL 102) · German (Intermediate) · Portuguese (Native)

Publications

See Google Scholar