

VITORIA LIMA

Number upon request ◇ NYC, United States

vitoria@vitorialima.com ◇ [Personal Website](#) ◇ [Projects](#) ◇ [Github](#) ◇ [Linkedin](#)

EXPERIENCE

Machine Learning Engineer

May - Sep 2024

Weights and Biases

Boston, MA

- Led strategic technical consultations with enterprise clients (OpenAI, NVIDIA, Microsoft), translating complex ML requirements into actionable solutions, resulting in successful contract renewals
- Synthesized client feedback and usage patterns to develop proof-of-concept demonstrations, enabling customers to optimize their ML workflows across PyTorch, Keras, and LLM implementations
- Led rapid iteration cycles with customers to optimize ML workflows, incorporating direct feedback to resolve critical technical challenges, shape product development and feature request prioritization
- Orchestrated cross-functional initiatives between product, engineering, and customer success teams, identifying and resolving critical technical bottlenecks while maintaining client satisfaction

Machine Learning Research Engineer - Metrics

May - August 2022

Motional - Autonomous Vehicles Research Lab of Hyundai Motors Group

Boston, MA

- Collaborated with engineering, research and product teams to rapidly iterate and structure safety metrics
- Architected mission-critical data pipeline integrating multiple data sources to enable real-time road safety scenarios detection, showcasing ability to translate complex data into actionable insights
- Led implementation of statistical models (Bayesian, MCMC) to extract information about safety critical variables
- Presented deployment-focused technical findings to diverse stakeholders, translating complex insights into clear action items for engineering, product management, and R&D teams

Fixed Income Trader - Global Markets Analyst

Jan - August 2021

Bank of America Merrill Lynch

Paris, France

- Operated in high-pressure environment overseeing \$100M+ trading books, while synthesizing complex market data into actionable trading strategies for buy-side clients, and managing relationships across 10+ global trading teams
- Orchestrated trading strategies across multiple desks, providing buy-side clients with immediate liquidity, tailored pricing, and strategic trade recommendations
- Built analytical frameworks to evaluate macroeconomic indicators, producing strategic insights for trading partners
- Created and presented daily PnL analysis to BofA's executive leadership, demonstrating ability to communicate complex information to senior stakeholders

Trading Summer Analyst - Global Markets

June - August 2020

Bank of America Merrill Lynch

London, UK

Trading Summer Analyst - Global Markets

June - August 2019

Goldman Sachs

London, UK

SKILLS

Language Fluency: Professional & Native in: Italian, English, German, Portuguese, Spanish

Soft Skills: Concise and Fast-Paced Communication, Collaborative Problem-Solving and Negotiation

Technical Skills: Python, Jupyter Notebooks, Pytorch Lightning, Tensorflow, SkLearn, Numpy, Pandas, SciPy, GitHub, Unix, Linux, AWS, Sagemaker, GCP, Docker, Data Science, Linear Algebra, Data Visualization, SQL, Information Retrieval Augmented Generation (RAG), Fine-Tuning LLMs

PROJECTS

Sequential Modelling as an alternative to Transformers in RL Pioneered implementation of cutting-edge S4 model as a Transformer replacement, achieving 86% reduction in trainable parameters while maintaining performance.

PCA on European Term Structure. Implemented PCA on European Government Bond yields, deploying insights into portfolio risk management strategies under varying interest rate conditions.

EDUCATION

Master of Computer Science, Harvard University

Relevant Coursework: Data Science, Numerical Methods, Parallel Computing, Deep Learning (NLP). GPA: 3.9

Cross-Registration with MIT: Computer Vision, Computational Sensorimotor Learning (Reinforcement Learning)

Bachelor of Economics, Freie Universitat Berlin

Relevant Coursework: Statistics, Statistical Machine Learning, Probability theory, Time Series Analysis, Econometrics

AWARDS & LEADERSHIP

Scholarships: ERP Scholarship - cash prize (50k\$) towards tuition fees by the German Government; 1st prize Best Thesis Award from the German Central Bank; Deutschland Stipendium Scholarship