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
- Spearheaded rapid iteration cycles, incorporating direct client feedback to resolve critical technical challenges, shape product development, and prioritize feature requests based on client needs

Machine Learning Research Engineer — May - August 2022
Motional - Autonomous Vehicles Research Lab of Hyundai Motors Group — *Boston, MA*

- 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 advanced statistical models (Bayesian, MCMC) to solve ambiguous safety challenges, enabling data-driven decision making for critical safety metrics
- Presented technical findings and recommendations to diverse audiences, from engineering to business stakeholders

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