# VITORIA LIMA

Number upon request ◇ NYC, United States
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## 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 100% successful customer 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 Team** 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 $80M+ 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 C-suite 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

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|---|---|
| **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 ∼90% 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