VITORIA LIMA

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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 prioritize feature requests
- Orchestrated cross-functional initiatives between product, engineering, and customer success teams, identifying and resolving technical bottlenecks while maintaining client satisfaction

Data Science Teaching Assistant Jan - June 2023
Harvard University *Cambridge, MA*

- Led 5+ coding labs to over 500 students on deep learning, including CNNs, RNNs, and NLP fundamentals
- Developed course materials collaborating with professors to enhance content coverage of advanced ML concepts

Robotics Research Assistant Sept 2022 - May 2023
Harvard University *Cambridge, MA*

- Conducted Reinforcement Learning research on motion and control strategies for soft robotic arms
- Enhanced public documentation of the internal soft robotics reinforcement learning library, improving user accessibility and understanding of implementation
- Expedited training time in soft robotics control by applying curriculum learning on existing RL algorithms

Machine Learning Research Engineer - Metrics Team May - Aug 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 detection, showcasing ability to translate complex data into actionable insights
- Implemented statistical models (Bayesian, MCMC) extracting 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 - Aug 2021
Bank of America Merrill Lynch *Paris, France*

- Operated in a high-pressure environment overseeing $80M+ trading books, synthesizing complex market data into actionable trading strategies for buy-side (hedge fund) clients, and managing relationships across 10+ interest rates global trading teams
- Orchestrated trading strategies across multiple desks, providing buy-side clients with immediate liquidity, tailored pricing, and strategic trade recommendations
- Delivered 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 - Aug 2020
Bank of America Merrill Lynch *London, UK*

Trading Summer Analyst - Global Markets June - Aug 2019
Goldman Sachs *London, UK*

SKILLS

Languages: Fluent in Italian, Spanish, Portuguese, English and German. Currently learning Russian
Soft Skills: Translating technical concepts across diverse personas, Problem-Solving, Negotiation
Technical Skills: Python, Data Science (Numpy, Pandas, SciKit Learn, Scipy), Tensorflow, PyTorch, SQL, AWS, GCP, Docker, Fine-Tuning LLMs, RAG, Git, Linux

EDUCATION

Master of Computer Science, Harvard University
Relevant Coursework: Data Science, Numerical Methods, Parallel Computing, Deep Learning (GPA: 3.9)
Cross-Registration with MIT: Computer Vision, RL
Bachelor of Economics, Freie Universität Berlin
Relevant Coursework: Econometrics, Time Series (top 4% of graduating class)

PROJECTS

Sequential Modelling for RL: Implemented S4 model as a Transformer replacement, achieving ∼90% reduction in trainable parameters while maintaining performance.
PCA on European Term Structure: Applied PCA to European bond yields for portfolio risk management under varying interest rate conditions.

AWARDS & LEADERSHIP

ERP Scholarship (50k), Best Thesis Award (German Central Bank), Deutschland Stipendium.