Arianit Sylafeta

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SUMMARY

Quantitative Finance professional with extensive experience in data science and financial markets. Adept in mathematical modeling, statistical analysis, and programming, with a track record of success in algorithmic trading and investment management. Currently pursuing a Master's degree in Quantitative Finance, seeking to leverage my expertise in model development and research to drive innovation on the buy-side.

EDUCATION

Quantitative Finance with Data Science — **London, UK**
MSc from Birkbeck, University of London — July 2024

Relevant Courses: Stochastic Calculus, Econometrics, Statistical Analysis, Quantitative Methods, Credit Risk Management, Market Risk Management, Financial Modelling with Data Science

Web and Mobile in IT & Management and Entrepreneurship — **New York, USA**
BAASc Dual Degree from Rochester Institute of Technology — May 2022

Relevant Courses: Algorithms, Principles of Computing, Database Modelling, Accounting, Game Theory, Managing the Workforce, Global Business Environment

Extracurriculars: Financial Management Club Member | ESG Startup Founder | Vice-President Candidate

WORK EXPERIENCE & PROJECTS

Quantitative Analyst — **Oct 2022 - Sep 2023**
Quantera, London

- Co-founded the company and orchestrated the acquisition of initial clients, demonstrating leadership and strategic insight to secure pivotal partnerships.
- Conducted in-depth quantitative research and analysis on Intermarket momentum trading strategies leveraging Machine Learning and Data Mining, ensuring proper backtesting methodologies.
- Explored, analyzed, and utilized alternative data sources including satellite imagery, news sentiment analysis, and senate trading insights to enhance predictive models and generate alpha.
- Conducted performance analysis and optimization of trading strategies, utilizing statistical techniques and data visualization tools to identify regime changes and areas of improvement.

Machine Learning Intern — **Oct 2022 - Sep 2023**
Solaborate, Prishtina

- Assisted in labeling training data and cleaning datasets to ensure accuracy and reliability for model training and evaluation.
- Contributed to hyperparameter tuning efforts using advanced technologies like Ray Tune, optimizing model performance and efficiency.
- Developed intuitive machine learning dashboards utilizing the Dash framework, providing actionable insights for stakeholders.
- Received training in MLOps methodologies and practices, gaining hands-on experience with Amazon SageMaker for model training, deployment, and monitoring.

CERTIFICATIONS

Reinforcement Learning in Finance
Course | New York University, Online | 2023
Relevant Topics: Markov Decision Processes, Discrete-Time Black Scholes, Q-Learning

Machine Learning
Specialization | Stanford, Online | 2022
Relevant Topics: Linear Regression, ANNs, Tree Ensembles, Recommender Systems, K-Means, LSTMs

SKILLS

- **Data Analysis**
- **Machine Learning**
- **Statistical Modelling**
- **SQL\MongoDB**
- **Porfolio Optimizing**
- **Options Pricing**
- **Programming (C++, Python)**
- **Excel VBA, Power BI**