MARTIN STEFANOV

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Video CV and Professional Profile: https://cifa.ac/cifa-resume/844d47cd-047b-468f-ab1b-f4f1296f13b7

SKILLS

Hard Skills: Statistical modelling, Numerical methods, Bootstrap methods, Hadoop, PySpark, TensorFlow, Keras API, PyTorch, Deep learning models, Machine learning models, Python, MCMC, SMC methods, SVMs, Neural Networks, CNNs, Dimensionality Reduction, Linear Least Squares, Gradient Descent, Gauss-Newton Methods, Gradient Projection Method, KKT conditions, Pandas, Geopandas, Haversine, Excel, LaTeX, PCA, NMF, Microsoft 365,

Soft Skills: Team working, Analytical skills, Presentation skills, Communication skills, Decision-making, Problem-solving, Critical thinking

WORK EXPERIENCE

10 Jul 2025
Winner of Data Science Challenge [Imperial College London]
One day team hackathon on analysing fraudulent credit card transactions data by building a prediction model using XGBoost, SMOTE and threshold optimisation

25-27 Oct 2024
Winner of DeFi Trading Competition, Encode London Hackathon [Compas Labs]
Designed a trading strategy on Uniswap by implementing trading indicators like EMA, MACD and RSI on Python and the company's Dojo platform

Jan-Mar 2023
Corporate Finance [Imperial Business School]
Intensive 10-week course about bond markets, equity markets, cost of capital, capital structure and risk management

Apr 2022
Insight days [Optiver]
Developed and tested a trading algorithm while demonstrating my team working and analytical skills. Learnt about Financial Markets, Market Makers, Market Strategies and Systems Training which gave me a great insight into the trading and investment world

Oct-Nov 2022
Securities Educational Certificate [Investment Society]
Participated in a 7-part lecture series on finance and investment – topics include equities, derivatives, fixed income

EDUCATION

Imperial College London -- MSc Statistics (2024-2025)

Develop fundamental knowledge in statistical modelling, numerical and Bootstrap methods as well as learn core theoretical concepts like Lebesgue integration and likelihood theory. Experienced with Hadoop, PySpark, TensorFlow through Keras API, PyTorch, Deep and Machine learning models.

Imperial College London -- BSc Mathematics - First-Class Honours (2021-2024)

Learnt about MCMC and SMC methods, SVMs, Neural Networks and CNNs, Dimensionality Reduction methods and applied them to real-world datasets using Python. Linear Least Squares, Gradient and Gauss-Newton Methods, Gradient Projection Method and KKT conditions. Studied micro- and macro-economic concepts like supply and demand functions, profit maximisation and cost minimisation, as well as pricing and hedging derivatives using Martingales and the Black and Scholes model.

CERTIFICATES

Jul 2024 – ongoing
Introduction to UK Financial Regulation & Professional Integrity – CIFA Management – Level 4
Learning about the roles of the FCA and PRA, legal concepts and professional ethics (CIFA ID: 20350)

2013 – 2021
Math Competitions
Won international competitions such as WMTC, IMC, JBMO and ITMO; gained problem-solving and critical thinking skills and got used to being resilient and handling pressure