Ivan Evdokimov

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Profile

Computational Finance PhD with strong expertise in machine learning, time series analysis, and stochastic optimisation for financial modelling. Experience in development and deployment of AI models. Proven ability to work across academia and industry, and to translate cutting-edge research into robust commercial applications.

Education

University of Essex 2021 – 2025 (expected)
PhD, Computational Finance
Research: Estimating future earnings per share and free cash flows using statistical and machine learning methods.

University of Essex 2020 – 2021
MSc, Financial Econometrics
Focus: Time series modelling, financial risk analysis, econometric forecasting.

Hult International Business School 2018 – 2020
Master in Finance
Focus: Asset pricing, financial markets, portfolio management.

Experience

UK Data Archive – Data Engineer (Part-time) Jan 2023 – Present

- Designed AI-driven solutions (ML, LLM) for Named entry recognition.
- Deployment of these solutions to AWS, using Lambda, Step-Functions, EFS.
- Applied Python and TDD practices to manage data pipelines.

University of Essex – Research Officer Oct 2022 – Dec 2022

- Developed Python-based macroeconomic models to simulate financial indicators.
- Created publication-quality visual outputs for econometric studies.
- Gained experience in statistical forecasting and econometric simulations.

Beyond Borders Investment Strategies – Investment Analyst Intern May 2020 – Sep 2020

- Conducted multi-country quantitative and qualitative analysis of impact analysis for risk-informed decisions.
- Supported currency exposure modelling under pandemic conditions.

dczd.tech – Analyst Intern May 2019 – Jul 2019

- Performed R&D financial forecasts and cost modelling for tech ventures.
- Delivered trend analysis and business insights for blockchain segment.

Briteside Marketing Management – Associate Analyst Sep 2015 – Jul 2018

- Created dynamic financial models and cash flow projections for multinational clients.
- Communicated complex financial scenarios to stakeholders with clarity.

Technical Skills

Languages: Python, C, C++, SQL, Golang, JavaScript
ML/AI: Random Forest, Gradient Boosting, LSTM, RNNs, Stochastic Programming
Other: Git, TDD, Agile, risk mitigation modelling

Publications

(in progress)

Evdokimov, I., Kampouridis, M., Papastylianou, T., "Application Of Machine Learning Algorithms to Free Cash Flows Growth Rate Estimation", International Neural Network Society Workshop on Deep Learning Innovations and Applications (INNS DLIA), Procedia Computer Science, Elsevier (2023).