Ivan Evdokimov

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Education

University of Essex, PhD in Computational Finance — Oct 2021 – May 2025

- **Thesis: Innovations to fundamental stock valuations: Estimating future earnings per share and free cash flows using statistical and machine learning methods.**
- Lead workshops on Linux and Software Development Tooling.
- Held pair-programming sessions with peers to work on other PhD projects.

University of Essex, MSc in Financial Econometrics — Oct 2020 – Sep 2021

Experience

Data Engineer, UK Data Archive – Colchester, UK — Jan 2023 – Present

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

Research Officer and Labratory Assistant, University of Essex – Colchester, UK — Sep 2022 – Dec 2022

- Participated in mathematical formulation and optimization of a macroeconomic model.
- Created a program to simulate macroeconomic processes.
- Assisted in teaching C/C++ and DSA teaching at postgraduate level.

Analyst Intern, Beyond Borders Investment Strategies – Boston, MA, USA — May 2020 – Sep 2020

- Conducted analysis on political and currency risk exposure of international ETF portfolios.
- Developed a program to automate the information gathering on ETF-related materials.

Publications

- (In Progress) Evdokimov I., Kampouridis, M., Papastylianou, T., "Deriving Fundamental Stock Value Using Transfer Learning and Earnings-Per-Share".
- 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).
- Evdokimov, I., Lungley, D., Rumiancev, A., "Survey Variables Classification with Hierarchical Machine Learning", 15th Annual European DDI User Conference (EDDI 2023).

Technologies

Languages: C++, C, C#, SQL, JavaScript, Python, Golang.

Technologies: .NET, Linux, Docker, AWS.