

ERNA KUGINYTE

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Professional Summary

Pragmatic data professional with 2 years of experience in analytics engineering and scalable data solutions. Proven ability to build scalable pipelines, develop statistical models, and optimise reporting workflows. Skilled in stakeholder engagement, data governance, documentation, and team training. Passionate about solving complex problems, continuous learning, and bridging technical solutions with strategic goals.

Technical Skills

Languages	Python, PySpark, SQL, R
Tools	Microsoft Fabric, Azure, Azure DevOps, Power BI, VS Code, Git, Excel
Data Engineering	ETL workflows, lakehouse architecture, data orchestration, pipelines
Statistical Analysis	GLMs, Bayesian inference, mixed-effects models, GEE, GAM
Machine Learning	Classification, clustering, PCA, ensemble methods

Experience

Data Analyst, Titan Wealth , London, UK	November 2023 – Present
<ul style="list-style-type: none">• Delivered analytics engineering for group-level performance reporting, consolidating multiple data sources across acquired advice, trading, and investment entities using Spark within Microsoft Fabric.• Developed a liquidity risk scoring model that replaced an external provider, generating £133,000 in annual cost savings, supporting regulatory compliance and internal risk frameworks.• Built a predictive emissions estimation model using multi-source data imputation and statistical modelling, delivering a novel, revenue-generative solution in the investment technology space.• Streamlined fund holdings analytics workflows by replacing Access-based processes with automated, data pipelines in Spark and Microsoft Fabric, improving operational efficiency and data governance.	

Architectural Designer, Populous , London, UK	September 2020 – August 2022
<ul style="list-style-type: none">• Applied research, spatial analysis, and design thinking to large-scale commercial and speculative projects, collaborating with multidisciplinary teams to deliver data-informed design solutions and insights.	

Education

MSc Applied Statistics and Data Mining, University of St Andrews, UK	September 2022 – September 2023
<i>Distinction, Dean's List</i> <ul style="list-style-type: none">• Dissertation "Variable Selection in Bayesian High-Dimensional Models" applied to simulated and real-world datasets. Frequentist LASSO, Elastic Net, machine learning XGBoost, Bayesian LASSO, Spike-and-Slab, horseshoe priors, SSLASSO, Laplace Approximation variable selection models used, R.• Predicting Genuine/Fraudulent Transactions – SMOTE, model tuning, and classification benchmarking, Python.• Covid-19 Tracker - Interactive visualisation using scraped JHU CSSE and Worldometer data; includes animated map and download functionality, Shiny App, R.• Nutrition Analysis, Multivariate analysis using PCA and K-Means clustering on USDA nutrient data to identify dietary patterns, R.	

Erasmus+ Exchange – Architecture, Stuttgart University, Germany	September 2018 – March 2019
BSc Architecture, Welsh School of Architecture, UK	September 2017 – August 2020
<i>First Class Honours</i> <ul style="list-style-type: none">• Prestigious <i>RIBA President's Bronze Medal Nomination</i> for the main project, research based on Open Government Data with QGIS, published here.• Built a spatial architectural project with Arduino and motion sensors; published in <i>Computational Design through the lens of Henri Lefebvre's Spatial Theory</i> by Professor Robert Doe, available here.	

Certifications

Investment Management Certificate (IMC) - Level 1, Fitch Learning	Present
Data Engineering on Microsoft Fabric, Coursera	2025
Python for Data Science, SQL Mastery, Spark Introduction, Datacamp / Udemy	2024
Python with a Financial Focus, Investment Society, University of St Andrews	2023

Languages and Hobbies

Languages	Lithuanian, English, Russian (Beginner)
Hobbies	Occasional swimming, cycling, running, recreational sports, and lino printing!