

DERRICK GYIMAH

Driven and innovative Data Scientist with over two years of experience in the financial industry, specialising in process improvement and operational efficiency through advanced data science and machine learning techniques. I leverage high-performing computational methods to deliver impactful, data-driven solutions. Passionate about driving transformation and growth. I am committed to enhancing business operations with robust, scalable systems and seamless data integration.

EXPERIENCE

JUST GROUP PLC, London UK (Hybrid)

2022-Present

DB Strategic Development Analyst

Jan 2024 - Present

Responsible for driving the transformation of our DB business by developing high-quality, bespoke applications and data solutions. I design and implement data flows, connect operational systems, and help build intuitive user interfaces. By collaborating with various business units, I ensure our solutions meet strategic objectives, optimize ETL processes, and support data streaming systems.

Data Science and AI Trainee (Level 7)

Sep. 2022 – Dec. 2023

Trained as an expert in data science to help support business processes and help scale with technology via an Apprenticeship provider – Cambridge Spark.

Implementation Support

Jan. 2022 – Sep. 2022

Responsible for reinsurance reporting, payment management, and data analysis, utilizing Python, Julia, and VBA to optimize data validation processes. Key contributor to onboarding buy-ins and buyouts for scheme funding, ensuring GMP equality through B, C1, and C2 methods. Also led initiatives to identify and rectify arrears inefficiencies in entire post-transaction data process.

EXTRACLASSES, UK (Part-time – Remote)

2022-2024

Developer

Lead contributor in the development of fast and secure web app for tutoring platform for students and tutors using low code solutions. Helped in formulating schemas and pydantic models for relational databases.

PRIVATE MATHEMATICS TUTOR

2018-Present

Tutoring Mathematics to primary, Secondary, A-Level and university students. Simplifying the subject to communicate complex ideas and assist struggling students in topic areas using different approaches.

EDUCATION

CAMBRIDGE SPARK – Cambridge, UK

2022-2024

Data Science & Artificial Intelligence

Level 7 (Masters')

Models: Ensemble methods, Pragmatic model evaluation, Supervised and Unsupervised Learning, Neural Network and Deep learning, Model Explainability and Interpretability, Time Series Analysis, Project Management for AI etc.

Project: Built a Random Forest Pricing prediction tool to predict bulk annuity premiums to be reconciled with old pricing processes.

SWANSEA UNIVERSITY – Wales, UK

2018-2021

Mathematics [BSc (Hons)]

Second Class Upper (2:1)

Models: Measure Theory, Financial Mathematics, Statistical Analysis, Complex Variables, Game theory and optimisation, Vector spaces, Fourier Analysis, Probability, Computational methods, Algebra etc.

Project: 'Statistical Analysis of COVID-19' with an emphasis on understanding factors which affected different demographics.

HAZELWICK SIXTH FORM – Crawley, UK

2015-2017

Mathematics, Physics, ICT, Chemistry (Y12)

A-Levels

Partook in the UKMT Senior Mathematical Challenge and emerged as one of the top students in the year group.

LANGUAGES

Python, Julia, SQL, Typescript, VBA, MATLAB, C#

TECH & LIBRARIES

Numpy, Pandas, scikit-learn, Keras, seaborn, matplotlib, pydantic, SQLAlchemy, FastAPI, SQLite, Git, Azure DevOps, REST APIs, Google Cloud

OTHER SKILLS

effective communicator, leader, adaptive, fast learner, ambitious, team-spirited, curious

VOLUNTEERING

COVID Action Taskforce Volunteer (Global) [2021]

Youth Group Mentor – PENSA UK [2022-present]

IT and Media Lead – The Church of Pentecost UK [2023-present]

Microsoft Copilot Champion – Just Group plc [2024-present]

INTEREST

Videography Tech, Graphic design, Photography, Prompt Engineering, Football