Omar N.S. Dirar

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Education

Royal Holloway, University of London   **Egham, England**
Bachelors of Science in Economics and Management, Second Class Honours (Upper).   *Sept 2021 - June 2024*
- **Notable Modules:** Financial Economics, Financial Econometrics, Managerial Accounting, Management Consulting, Consumer Behaviour, Data Skills for Economists.

Barnet & Southgate College and King Solomon Academy   **London, England**
A-Levels: *Mathematics (B), Economics (B) and Psychology (B) while working full-time in my second year.*   *Sept 2017 - June 2021*
GCSEs: *Mathematics (A*), English Language (A*), English Literature (A), Core Science (A), Additional Science (A*), Further Additional Science (A), Geography (A), History (A), French (B), and Spanish (B).*
- **Achievements:** UKMT Intermediate Maths Gold x2, UKMT Junior Maths Silver and First Give Grant Winner.

Experience

Hello Group   **Pretoria, South Africa**
Intern   *July 2024 - Sept 2024*

A rotational internship, working across Finance, Business Intelligence, and Technology. My responsibilities included supporting the month-end reconciliation process and assisting with quarterly forecasting. I took initiative by independently developing a Python script that streamlined and automated a portion of the reconciliation process, as well as exploring and presenting the implementation of stochastic models for financial planning.

In the Business Intelligence space, I developed and maintained interactive dashboards and reports using SQL and Qlik Sense. I worked closely with different teams, gathering their requirements and translating them into accurate, user-friendly data visualizations. For instance, creating a dashboard that enabled the Sales team to analyse customer churn rates by location and demographic, helping them identify patterns and focus on high-risk areas with targeted retention strategies.

I also developed a machine learning model to evaluate business loan underwriting risk. By training, testing, and comparing various models, including a gradient-boosted decision tree and a random forest, I was able to predict a customer's likelihood of default based on their payment history. This provided the business with a data-driven approach to start experimenting with more informed loan underwriting decisions.

Camp Cedar   **Casco, Maine**
Fishing Instructor   *June 2023 - Aug 2023*
- Planning and implementing instructional activities teaching key fishing skills and knowledge.
- Supervising campers, ensuring their safety, development and general well-being.

Incipio Group   **London, England**
Team Leader   *Feb 2021 - Aug 2021*
- Assisting new employees with payment transactions, product information, customer service and maintaining customer satisfaction.
- Individually covering one of three bars per shift. Daily turnover for the three bars would range between £12k to £27k serving 1800+ customers per shift.

Team Member   *Jul 2020 - Feb 2021*
- Work and communicate with a team, to ensure efficiency.
- Keep composure to sustain productivity and attention to detail whilst under pressure.
- Demonstrating flexibility with regards to work assignments and schedule.

Personal Projects

Web Portfolio - omar.dirar.xyz   **Oct 2022 - Present**
- A static web page, made interactive with jQuery.
- Azure Functions as a solution to serverless, event triggered code.
- JSON with object orientated programming to streamline the publishing of new content.
- Flickr API to showcase photos including EXIF and GPS data.

Volunteer - Empowerment London   **April 2022 - June 2022**
- Event operations and logistics.
- Event promotion and fundraising.
- Assisting with the charity's online presence, including website design.

Technical Skills

Languages: Python, R, SQL, JavaScript
Developer Tools: Visual Studio Code, Github, Microsoft Azure, RStudio, Anaconda, Jupyter
Technologies/Frameworks: sci-kit learn, pandas, SQL Server Management Studio (SSMS), Qlik, Power BI