

## OBJECTIVE

A highly motivated and detail-oriented Aerospace Engineering Masters graduate with a passion for data analytics, seeking a challenging position as a Senior Analyst. Leveraging a strong foundation in SQL, Power Query, Power BI I excel in problem-solving and thrive on the satisfaction of finding effective solutions. I am eager to contribute my analytical skills and leadership abilities to transform raw data into actionable insights, facilitating data-driven business decisions.

## EDUCATION AND CREDENTIALS

MASTER OF ENGINEERING (MENG.) IN AEROSPACE ENGINEERING, 2015 - 2020, COMPLETE

University of Leicester, Leicester, UK

Achieved - 2:1

Associate Member of the Institute of Mechanical Engineers

## MASTER'S YEAR PROJECT

OPTIMISING AERODYNAMICS ON FIA F1 2022 CAR, SEPTEMBER 2019 – JUNE 2020, ACHIEVED 1<sup>ST</sup> CLASS

- Developed a brand-new aerodynamic setup for the rear wing of a Virtual Formula One car based on the new FIA 2022 Technical Regulations.
- Executed Parametric CFD Study on aerofoils and wing setup combinations using state of the art cloud CFD solutions provided by TotalSim.
- Achieved a 20% downforce gain and 8% drag reduction compared to baseline model provided, resulting in over ten seconds being cut from lap time.

## PROFESSIONAL EXPERIENCE

BIRMINGHAM AND SOLIHULL MENTAL HEALTH NHS FOUNDATION TRUST, BIRMINGHAM, UK, JUNE 2023 – PRESENT

### Senior Information Analyst, Information Management

- Led a team of analysts in developing and managing information services, enhancing data accessibility for key stakeholders and supporting strategic decision-making.
- Oversaw the production and integrity of comprehensive monitoring reports using Power BI, fulfilling internal and external reporting requirements with precision and timeliness.
- Conducted advanced data analysis to inform business development, performance management, and service planning, utilising forecasting and analytical models.
- Initiated and delivered training to enhance staff proficiency in utilising information reports, thereby improving service management and patient care.
- Played an integral role in maintaining data quality and developing the trust's data warehouse, ensuring reliable data for informed decision-making.
- Acted as a key advisor on information governance, data quality, and reporting standards, contributing to the development of trust-wide policies.

MID & SOUTH ESSEX HOSPITAL PARTNERSHIP, SOUTHEND ON SEA, UK, DECEMBER 2021 – JUNE 2023

### Reporting Analyst, Healthcare Analytics

- Extracted and processed data from multiple source systems using T-SQL to create data models.
- Developed and implemented new reporting solutions using SSRS and other reporting tools.
- Utilised Power BI extensively to create dashboards with high impact visuals to showcase key data trends.
- Worked with third party providers on various projects including using machine learning to understand underlying trends and identity anomalies.
- Completed mandatory & statutory reports to NHS England weekly.
- Automated and improved existing processes to increase efficiency and accuracy.

MID & SOUTH ESSEX HOSPITAL PARTNERSHIP, SOUTHEND ON SEA, UK, AUGUST 2021 – DECEMBER 2021

### **Reporting Officer, Healthcare Analytics**

- Creating and submitting mandatory & statutory reports to NHS England weekly.
- Writing complex SQL to complete ad hoc data requests for various stakeholders.
- Using Excel and a detailed working knowledge of the technical content of source systems to validate data, spot trends or key events and use expertise to judge the potential significance.
- Review systems and implement changes and improvements as dictated by guidance and best practice.

MID & SOUTH ESSEX HOSPITAL PARTNERSHIP, SOUTHEND ON SEA, UK, FEBRUARY 2021 – JULY 2021

### **SENIOR BOOKING OFFICER, HR**

- Supervising the Temporary Staffing team on a day-to-day basis and managing rosters.
- Making key decisions on how best to utilise resources to get the best results in the most efficient manner.
- Line managing booking officers, resolving any difficulties, and guiding them with personal and career development.
- Creating reports to identify gaps in staffing & potential cost saving measures.
- Utilising HealthRoster software to ensure safer staffing levels across three hospitals.

MID & SOUTH ESSEX HOSPITAL PARTNERSHIP, SOUTHEND ON SEA, UK, JULY 2020 - JANUARY 2021

### **TEMPORARY STAFFING BOOKING OFFICER, HR**

- Fulfilled a vital role in maintaining safe staffing levels across three major hospitals.
- Acquired a deeper understanding of staffing requirements and the everyday operations of multiple hospitals.
- Functioned as a liaison with directors of hospitals and site managers to escalate situations and concerns.
- Gained superior staff management skills and effectively managing large and complex rosters

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## **SKILLS SUMMARY**

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### **TECHNICAL SKILLS**

- SQL (Various Dialects including TSQL, PostgreSQL & MySQL)
- Advanced Excel skills including Power Query & Power Pivot
- Power BI
- MATLAB
- HTML and CSS
- Javascript / Next.JS
- Python
- Metabase

### **SOFT SKILLS**

- Proficient in using and quickly adapting to a wide range of software and operating systems.
- Problem-solving with innovative thinking, consistently seeking creative solutions to complex challenges.
- Leadership qualities, providing guidance and mentorship to team members, contributing to optimal team performance and professional development.
- Developed strong communication skills through experience in high-pressure environments with limited time.
- Strong organisation skills and logical approach to challenges and effectively prioritise under pressure.
- Exhibit excellence in presenting data in a clear and methodical manner, ensuring that information is accessible and comprehensible for diverse audiences.