






MOHAMMED K ELDOSOKY

CONTACT

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SKILLS

- AWS Cloud Certified
- Confident with PowerBI, Tableau, and DAX
- Confident using Python and SQL for data analysis and NLP
- Proficient using pandas, regex, BeautifulSoup, Selenium, seaborn, and matplotlib.
- Accomplished in use of Excel and PowerQuery
- Skillful in use of Microsoft Office & PowerPoint.



PROFESSIONAL SUMMARY

I am a motivated Data Engineer with great communication and analytical skills. I am currently seeking a junior data position where I can display and develop my problem-solving skills.

WORK HISTORY

Associate Data Engineer 06/2021 - Current
Rockborne - London

- Performed exploratory data analysis, data cleansing to contribute to an end-to-end ETL pipeline using SQL, Python and Power BI
- Web scraped data using Selenium and BeautifulSoup, then utilised regex for NLP to create multiple dashboards in PowerBI for stakeholders, which resulted in a better understanding of the international data market
- Presented multiple insights to stakeholders which improved my data storytelling and communication skills
- Created training content on AWS and Snowflake which is to be used for future Rockborne cohorts and allowed me to explain complex topics in a clear and concise manner.

Modelling and Simulation Analyst 11/2019 - 05/2020
Thornton Tomasetti - Edinburgh

- Performed a lot of the pre-processing associated with the finite element modelling (FEM) of ship and submarine structures subjected to blast shocks and vibrations
- Utilised ISO9001 modelling standard for quality control and management
- Certain element criteria had to be satisfied i.e., element jacobian, aspect ratio and warpage, ensuring elements were of a high enough quality for accurate simulation results
- Worked within an interdisciplinary modelling team where I gained an in-depth understanding of the fundamentals associated with FEM coupled with working in an agile way within a demanding and focused team environment.

EDUCATION

MEng: Mechanical Engineering 06/2019
Heriot-Watt University - Edinburgh
Merit (69.3%)

- Design and manufactured a small electromechanical vehicle powered by an unbalanced mass for my MEng group project
- Developed the governing equations for the electromechanical system. I was a key decision-maker in the selection and integration of electrical software/hardware.

- Relevant Modules: Advanced Mechanics of Materials. Mechanical Dynamics Failure & Accident Analysis Control Engineering Fluid Mechanics Design and Manufacture
- Created a coloured based tracking algorithm that could be used to enable haptic feedback from an ungrounded haptic device.
- Successfully used Python and OpenCV to do so, utilising NumPy arrays and cv.2 to achieve live video feed manipulation.
- Derived small testing procedures to analyse the algorithm's robustness when subjected to alternate lighting.
- I explored the potential use of Kalman Filtering in order to track an object because of its predictive tracking method.
- This project was an excellent introduction to the field of haptics and how the use of haptic technologies within virtual environments has become more prominent in recent times.

Scottish Qualifications Certificate, 2014

St. Andrew's RC High School – Kirkcaldy

Advanced Higher Level

- Physics (A) Mathematics (A)

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**
- **Analyse Data with SQL Course 2022** – *Code Academy*.
An online course that was started in my spare time in order to further improve my SQL query writing. The course covered areas including but not limited to: Advanced SQL, Accessing SQL through Command-Line, Funnel, and Window Functions.