Wei Yao

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Summary

A recent graduate with a degree in Computer Science and strong proficiency in data analysis seeking a role as a Data Analyst. Proficient in statistical analysis techniques, data visualization tools, and programming languages such as Python and SQL. Eager to leverage my skills and experience to support business decision-making.

Experience

Puregen Clinic | England, London
Data Analyst (Part-time) | 12/2022 - Present

- Assisted in analyzing patient data to identify trends and patterns to inform clinical decision-making
- Developed and maintained Excel models to forecast patient outcomes and identify areas for improvement
- Worked with clinicians to understand their data needs and provide actionable insights
- Conducted statistical analyses such as regression analysis and hypothesis testing to support clinical decision-making
- Created data visualizations using Tableau to effectively communicate insights to clinicians
- Assisted in managing and organizing patient data, ensuring compliance with relevant regulations related to medical data privacy and security
- Participated in team meetings and contributed to discussions related to data analysis and decision-making

QA Ltd | England, London
IT Consultant | 04/2022 - 11/2022

- Automated build/test and deployment using Jenkins, reducing human error and accelerating production
- Successfully created and maintained CI/CD pipelines for deployment, leveraging Jenkins
- Managed GitHub repositories and permissions, including branching and tagging
- Created applications and connected them to working MySQL databases
- Was an integral part of the team that improved and monitored cloud infrastructure on AWS, GCP and Jenkins
- Performed complex SQL queries to extract data from the database Established a continuous build environment to speed up software development by 50%
- Collaborated with cross-functional teams to identify and resolve data quality issues

Little hunan ltd | England, London
Business Analyst Intern | 01/2022 - 04/2022

In-depth data mining and analysis using advanced Excel and Python to address business issues via proposed datasets. Worked independently, liaising regularly with the project sponsor to ensure project deliverables met requirements.

- Cleaned unstructured and raw datasets, and processed 30 visualized results
- Develop business forecast tool based on research and analysis of market intelligence, sales history and business data
- Navigated ambiguous, changing requirements, meeting 100% of client's proposed objectives
- Presented complex data visualization results and business insights via Tableau and Excel, highlighting concise insights to technical and non-technical professionals
- Created visually appealing and informative dashboards using pivot tables and data visualization tools to communicate insights to stakeholders

Skills

Data Analysis, Excel, SQL, Tableau, Python, Collaboration, Data manipulation, Data Visualization, Critical thinking and problem-solving, Time management and organization, Continuous learning

Education

Cardiff University | Cardiff, Welsh
Msc Computer Science | 01/2022

- Completed courses in computational thinking, Database and modelling, Fundamentals of programming and Human-Centric Computing
- Analysing data via Python, SQL and Excel, presented findings at conferences and seminars

- Front Website Development via JavaScript and Python
- Game development and improvement via Angular
- Dissertation: Game improvement and hosting, analysing user experience and collecting data to conduct a general report for improvement and further recommendation
- Presented game improvement findings at conferences and seminars

University of East Anglia | Norwich, Norfolk
Bsc Mathematics | 06/2020

- Key modules: Calculus And Multivariable Calculus; Real Analysis And Group Theory; Probabilities; Statistics; Mathematical Modelling; Mathematical Techniques And Python
- Investigating the behaviour of the flow due to three collinear point vortices and using MATLAB to visualize the flow and conduct a report to present data collected
- Oral Assessment about Problem-Solving with a professor in Mathematics and Scored Excellently

Key content: Advanced Excel, Python, Matlab, Calculus, Statistic, Data Visualization