**Arthur Georgeson**

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**Profile**

Data-driven professional with expertise in Python, SQL, Power BI, and Excel, with a strong track record of transforming raw data into actionable insights. Experienced in extracting, processing, and visualising data to support decision-making in an industrial environment. Skilled in building data pipelines, automating reporting, and working closely with stakeholders to drive business improvements.

**Work Experience**

**2021 – present Manufacturing Engineer at Ceres Power, Horsham**

* Power BI Reporting & Data Pipelines: Developed multiple Power BI dashboards that enhanced data accessibility and facilitated rapid insights for manufacturing and business teams. Reduced the time required for specific data analyses by at least 3x by automating data extraction, transformation, and visualisation processes.
* SQL & Data Warehousing: Designed and implemented SQL-based ETL processes on Databricks for manufacturing data, enabling structured data storage and integration with reporting tools. Worked with data engineers to improve schema design and improve database efficiency.
* Excel for Advanced Data Analysis: Leveraged advanced Excel functions, pivot tables, for in-depth data exploration and reporting. Automated Excel table editing to ensure proper formatting for data extraction. Used Excel daily to analyse manufacturing data and support decision-making.
* Factory Calculator App: Developed a Python-based application to optimise factory setup planning. Previously, such calculations were performed manually, taking significant time and lacking insights into bottlenecks. This tool streamlined the process, allowing teams to quickly determine necessary equipment, batch sizes, costs, and energy consumption while identifying potential inefficiencies.
* Data Analytics & Business Intelligence: Created tools for visualising fuel cell test data and calculating key performance metrics. Supported business and technical stakeholders by delivering actionable insights through dashboards and reports.
* Cross-Functional Collaboration: Partnered with commercial, engineering, and data teams to understand business needs and align technical solutions with strategic objectives. Effectively communicated complex data concepts to non-technical stakeholders.

**Technical Skills**

* **Programming Languages**: Python, SQL
* **Data Analytics & BI Tools**: Power BI, Python libraries (matplotlib, seaborn), Excel (advanced proficiency)
* **Data Engineering**: Pandas, Databricks, schema design
* **Development Methodologies**: Agile, Git version control, CI/CD practices
* **Automation**: Process optimisation, scripting for automated workflows, Power Automate
* **Soft Skills**: Stakeholder communication, cross-functional collaboration

**Education and Qualifications**

**2018-2021 BSc Chemistry, Sussex**

**2021-2022** **MSc Chemical Engineering,** **Imperial College London**

**2023-2024 IBM Data Science Certificate**