**Jeff Sedlock**

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PORTFOLIO

**Blood Specimen Hemolysis**

* Analyzed over 400,000 lab specimens and hemolysis rates across 5 hospitals, proving front-line staff’s hypothesis of increased hemolysis rate from specific departments.
* Independently extracted and cleaned data, using SQL and Python to visualize results.

**Hospital Bed Demand Prediction**

* Utilized data analysis and modeling skills to project emergency bed demand for 2029, incorporating key factors such as patient acuity and seasonality.
* Collaborated with senior-level team to assess future bed needs and provide recommendations for optimal utilization of hospital resources.

EXPERIENCE

**Virtua Health** – Industrial Engineer January 2022 – Current

* Manage and lead a project portfolio of 3-5 projects, driving system-wide initiatives and delivering cost savings of over $5M.
* Analyze and interpret data using Python, Tableau, and Excel to provide insights and support decision-making by senior leaders.
* Conduct in-person observations at five hospitals to gather project information and understand underlying data processes.
* Facilitate meetings with multi-disciplinary teams to develop consensus and drive business outcomes.

**Viking Yacht Company** – Industrial Engineer Intern May 2021 – August 2021

* Aided in the implementation of a labor tracking system using Power BI, tracking over 250,000 hours.
* Analyzed process effectiveness using lean/six sigma tools, identifying areas for improvement and measurable impact on production performance.
* Created Power BI dashboards to visualize data and facilitate discussions with management.

EDUCATION/CERTIFICATIONS

**West Virginia University** – Bachelor’s, Industrial Engineering

August 2017 – December 2021

**Data Scientist: Analyst Specialist** – Codecademy

Issued January 2023

SKILLS

**Technical Skills:** Python (NumPy, Pandas, Matplotlib, Seaborn, SciPy), Tableau, Microsoft Excel, SQL, PowerBI

**Soft Skills:** Persuasive Story Telling, Generating Hypotheses, Critical Thinking, Research, Collaboration