**Jeff Sedlock**

sedlockjeff1@email.com (973)-600-1334 Greater Philadelphia Area [LinkedIn](https://www.linkedin.com/in/jeffrey-sedlock-3883b8152/)

*Analytically minded self-starter with a background in Industrial Engineering. In my current role, I have learned and applied data science techniques. I am prepared to leverage my mathematical and problem-solving skills in a data position.*

PORTFOLIO

**Lab Specimen Hemolysis** [**GitHub Link**](https://github.com/jsedlock/Lab-Hemolysis)

* Worked independently for 3 weeks to extract, clean, analyze, and visualize lab specimen hemolysis rates for all departments within 5 hospitals, testing hypotheses about whether one department has higher rates than another.

**Hospital Bed Demand Prediction**

* Produced a model to predict future emergency bed needs for 2029 incorporating market projections, patient acuity, and seasonality.

EXPERIENCE

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

Marlton, NJ

* Consistently managed and led a project portfolio of 3-5 projects driving systemwide initiatives
* Led data analysis project where I was able to accurately measure a potential savings of $5M+
* Performed in-person observations at 5 hospitals to understand processes behind data and gather relevant project information through conversations with front-line workers
* Used communication skills to communicate data findings to leaders to make strategic decisions
* Facilitated meetings with multi-disciplinary teams helping reach a consensus on important business decisions

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

New Gretna, NJ

* Aided in the implementation of a labor tracking system using Power BI, tracking over 250,000 hours
* Conducted quantitative analysis of process effectiveness using lean/six sigma tools to measurably impact production performance
* Facilitated meetings with management to discuss process improvement alternatives by utilizing Power BI dashboards I had created

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, JMP, PowerBI

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