Thomas Kinstle

Data Scientists

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SUMMARY

USAF veteran with global experience leveraging technology in challenging environments, including remote operations in Afghanistan. As a Data Scientist, I bring a mission-driven mindset to solving complex problems, using data to drive smart decisions and optimize operations for real-world impact.

SKILLS

Programming	: Python, SQL, R
Data Processing	: ETL, EDA, Feature Engineering, Data Wrangling, Big Data, PySpark, AWS, Azure
Data Visualization	: Matplotlib, Tableau, Plotly, Seaborn
Soft Skills	: Team Collaboration, Leadership, Attention to Detail, Critical Thinking, Problem Solving, Effective Communication

EXPERIENCE

Maintenance Supervisor, Miller's Health Systems, Plymouth, IN   **Mar 2021 - Present**

- Managed facility improvement projects contributing to Miller's being recognized as 5 star facility by CMS and a top facility in Indiana by U.S. News.
- Proactively monitored facility and safety KPIs, identifying trends and performing root cause analysis to prevent potential issues and maintain performance goals.
- Managed preventative maintenance programs, reducing emergency repair costs by 20% and implementing proactive maintenance strategies.

Data Analyst, Defense Logistics Agency, Battle Creek, MI   **Jun 2009 - Jun 2013**

- Automated SQL data pipelines, created Excel charts, and managed a SharePoint dashboard, improving data accessibility for strategic decision-making.
- Collaborated with cross-functional teams to analyze logistical data, identify bottlenecks, and develop solutions, utilizing problem solving skills to maintain 95%+ operational readiness for MRAP vehicles.
- Led Voice of the Customer initiatives and a Lean Six Sigma project, managing project execution, collecting and analyzing feedback, and presenting actionable insights to stakeholders for program improvements.

EDUCATION

TripleTen - *Computer Science, Data Science*   **Jul 2024 - Feb 2025**
LLM, TensorFlow, PyTorch, Scikit-learn, Machine Learning, AI, Regression, Classification, Deep Learning

Defense Acquisition University - *Program Management, Information Technology, Life Cycle Logistics*   **2009 - 2011**

Western Michigan University - *Bachelor of Science, Psychology*   **Aug 2002 - Dec 2005**
Calculus, Business Statistics, Research Methods, Communication, Critical Reasoning, Biopsychology, Behavioral Statistics

PROJECTS

Global Gaming Marketing Strategy, Link   **Jul 2024**

- Utilized Python and libraries like pandas, NumPy, and Matplotlib to analyze data and identify video game sales predictors. The work included data cleaning, visualization, hypothesis testing using p-values, and statistical analysis to uncover trends across platforms, genres, and scores. This project showcased the ability to process large datasets, employ machine learning techniques, and validate insights through rigorous testing and creative visualizations.

Lyft Taxi Chicago, Link   **Nov 2024**

- Developed a SARIMA model to forecast monthly ride volume using Taxi data. Performed data cleaning, and seasonal decomposition to identify ridership trends across city zones. Used RMSE (Root Mean Squared Error) to evaluate and select the best-performing model, balancing accuracy and complexity. Delivered actionable insights to support urban mobility planning and pricing strategy.

Forecasting Major Earthquakes, Link   **Mar 2025 Present**

- Analyzed historical earthquake data using time series analysis and GeoPandas to engineer features for a probabilistic model forecasting major seismic events.

AWARDS

Superior Civilian Service Award, DoD   **Sep 2010**
Warfighter Support Representative (WSR) MRAP Surge Team Afghanistan in support Operation Enduring Freedom.

Distinguished Graduate USAF Technical School Aerospace Propulsion