

Thomas Kinstle

Data Scientist & Analytics Professional

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SUMMARY

USAF veteran and Data Scientist with 8+ years of experience in data systems, analytics, and process optimization across defense logistics and healthcare operations. Proven track record of implementing data-driven solutions that improve operational efficiency, reduce costs, and enhance system performance. Expert in developing KPI frameworks, managing cross-functional teams, and integrating complex data systems to optimize material flow and production workflows in high-volume environments.

SKILLS

Programming:

Python, SQL, R

Data Processing:

ETL, EDA, Feature Engineering, Data Wrangling, Big Data, PySpark, AWS, Azure, Statistical Analysis, Data Mining, Predictive Analytics

Data Visualization:

Matplotlib, Plotly, Seaborn, Tableau, Dashboard Development

Management Systems:

SAP (ERP, CRM), CMMS, KPI Development, Root Cause Analysis, LSS, Continuous Improvement, Safety Program Management

Leadership & Collaboration:

Cross-functional Team Management, Effective Communication, Attention to Detail, Process Optimization

PROFESSIONAL EXPERIENCE

Maintenance Supervisor

Miller's Health Systems, Plymouth, IN

Mar 2021 - Present

- Continuous Improvement & Operational Excellence:** Led facility improvement projects contributing to Miller's recognition as 5-star CMS facility, top Indiana facility by U.S. News, and recipient of the AHCA/NCAL National Quality Award Bronze
- Safety Program Management:** Managed comprehensive safety program ensuring compliance with healthcare regulations and maintaining high safety standards
- KPI Management & Analytics:** Proactively monitored facility and safety KPIs, identifying performance trends and conducting root cause analysis
- Cost Reduction & Efficiency:** Implemented preventative maintenance programs reducing emergency repair costs by 20% through data-driven strategies

Management and Program Analyst

Defense Logistics Agency, Battle Creek, MI

Jun 2009 - Jun 2013

- ERP System Integration:** Managed data processing across numerous systems including LIW, GCSS-J, Integrated Logistics System, WebFLIS, DLA and TACOM's Enterprise Business Systems (SAP)
- Data Systems & Supply Chain:** Collaborated with cross-functional teams maintaining 95%+ operational readiness for MRAP vehicles
- Process Improvement & Analytics:** Led Voice of Customer initiatives and Lean Six Sigma projects, managing execution and presenting actionable insights

- **Root Cause Analysis & System Optimization:** Diagnosed and resolved propulsion system issues on A-10 aircraft, applying root cause analysis to optimize preventative maintenance
- **Leadership Development & Team Management:** Promoted to Staff Sergeant, completed advanced leadership training while supervising junior airmen on mission-critical systems and standardized procedures
- **Mission-Critical Operations & Reliability:** Maintained 90%+ mission readiness rates using CAMS CMMS systems to track preventative maintenance across multiple combat deployments

EDUCATION

TripleTen	<i>Jul 2024 - Feb 2025</i>
Computer Science, Data Science	
Machine Learning, AI, TensorFlow, PyTorch, Scikit-learn, Regression, Classification, Deep Learning, Generative AI	
Defense Acquisition University	<i>2009 - 2011</i>
Program Management	
Information Technology, Life Cycle Logistics, Enterprise Systems Architecture	
Western Michigan University	<i>Aug 2002 - Dec 2005</i>
Bachelor of Science, Psychology	
Behavioral Statistics, Biopsychology, Research Methods, Calculus, Statistical Analysis	

DATA SCIENCE PROJECTS

Car Sales and Marketing
Comprehensive analysis of automotive sales data to identify market trends, customer preferences, and optimization opportunities for marketing strategies.
Global Gaming Marketing Strategy
<i>Jul 2024</i>
Utilized Python to analyze video game sales data, performed hypothesis testing, and created visualizations to identify sales predictors across platforms and genres.
Lyft Taxi Chicago
<i>Nov 2024</i>
Developed SARIMA model to forecast monthly ride volume, performed seasonal decomposition, and delivered insights for urban mobility planning.

AWARDS & RECOGNITION

Superior Civilian Service Award, Department of Defense
Sep 2010 Warfighter Support Representative (WSR) MRAP Surge Team Afghanistan - Operation Enduring Freedom
Distinguished Graduate, USAF Technical School
Aerospace Propulsion Demonstrated technical excellence and leadership in complex operational environments