

# Thomas Kinstle

## Data Scientist & Analytics Professional

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### SUMMARY

USAF veteran and Data Scientist with 8+ years of experience in material 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 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

- Executive Reporting & Dashboarding:** Leveraged SQL, Excel, and SharePoint to build intuitive dashboards that accelerated strategic decision-making and enhanced leadership visibility into performance metrics
- Material 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 & Training:** Trained and supervised junior airmen on mission-critical systems and standardized procedures
- **High-Pressure Operations:** Operated in high-tempo environments including deployment to Iraq (2008) and immediate re-deployment to Afghanistan

EDUCATION

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

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

**Western Michigan University** *Aug 2002 - Dec 2005*  
Bachelor of Science, Psychology  
Business Statistics, Research Methods, Critical Reasoning, Statistical Analysis

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

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**  
*Jul 2024*  
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**  
*Nov 2024*  
Developed SARIMA model to forecast monthly ride volume, performed seasonal decomposition, and delivered insights for urban mobility planning.